



## REPAIR AND STRENGTHENING OF PILLARS

### PROBLEM

Melt water with dissolved de-icing salts caused chloride initiated corrosion.

### SOLUTION

The outer 30 to 50 mm deteriorated concrete is removed mechanically or with hydro-demolition up to the reinforcement. As a result, this structure remains static active and doesn't need to be propped. There is a possibility to add rebars in order to replace the affected reinforcement or as additional reinforcement.

Formwork is placed around the bridge pier. This is filled with moist, washed, coarse aggregates. Then **CEMPAC® 565** is injected. Due to a close bond with the existing structure both a renovation of the damaged pillar as well as a strengthening of the existing is obtained.

### USED PRODUCTS

**CEMPAC® 565** : Repair and/or strengthening of concrete constructions, bonding agent for Preplaced Aggregates Concrete. Can be applied under water.



**cempac**

### PROJECT DETAILS

LOCATION	Highway around Stockholm —Sweden
DATE OF EXECUTION	July 2013
ENGINEERING	PROJEKTENGAGEMANG
CONTRACTOR	Svevia & Nordisk MMS

More info?  
[www.cemart.eu](http://www.cemart.eu)