



## HMAS Stirling Bridge Repair

### PROJECT DETAILS

**Low Level Bridge** - Complete survey of the low level bridge structure and carried out repairs/refurbishment including concrete repairs to abutments, piers and soffit application of protective coatings, structure steel reinforcement to deck structure involving profiling of existing surface and installation of more than 4500 starter bars to key into the 6000m<sup>2</sup> of new concrete decking plus new kerbing, service trench and footpath. Installation of 300m of new mains water pipeline, HV electrical cable and vehicle barrier and pedestrian hand railing.

**High Level Bridge** - This project involved the removal of existing coating to 20,000m<sup>2</sup> of bridge surface, mostly on the underside of the bridge over the ocean. Application of silane creme to prepared surfaces and complete survey of bridge concrete defects and their subsequent repair according to the contract specification. Concrete repair, cathodic protection installation and protective coating application to bridge piers.



**Client:** Spotless FM (Dept of Defence)

**Location:** Garden Island, WA

**Duration:** 15 months

**Completion:** May 2008

**Value:** \$5m



### PROJECT HIGHLIGHTS

**Personnel on Site:** 20

**Manhours:** 37,000

**Products:** Parchem Galvashield Anodes, Parchem Emerstop Creme