

Tiree Ferry Terminal Remedial Works

Client:	Caledonian Maritime Assets Ltd
Form of Contract:	NEC3 Option A
Duration:	Feb 2013 to Apr 2013
NRS Role:	Principal Contractor



Main Description

The works involved the replacement and refurbishment of existing vehicle and pedestrian barriers on the pier at Tiree Ferry Terminal. Works also included the repair of concrete elements. Further works included the installation of steel cover plates at the joint between two pier structures and a new security gate at the pedestrian access to the inner lifting dolphin.

The existing sea wall on the Eastern side of the approach structure / jetty structure interface experienced cracking and spalling with exposed and corroding reinforcement.

Works were required to repair the damaged section of sea wall on the East side of the interface between the jetty and the approach structure. This included removal of existing reinforced concrete; repairing concrete; drilling and grouting dowels; installing new reinforced concrete sea wall; and extending an existing vehicle barrier.

Works Included:

- Sea wall works;
- Protection and relocation of service cabling mounted on sea wall;
- Removal of damaged areas of concrete sea wall and preparing surfaces;
- Drilling and grouting new dowel bars into existing reinforced concrete sea wall;
- Construct new section of reinforced concrete sea wall; and
- Installation of new section of vehicle barrier and components including fixing bolts, chains and anchors.



Barrier works;

Installation of new vehicle barrier and components including fixing bolts and anchors.

Installation of new pedestrian barrier and components including fixing bolts and anchors.

- Fabrication and installation of new gate;
- Demobilisation of Contractor's working areas.

Concrete repairs took place within the tidal zone. Repairs involved the erection of formwork, placing of reinforcement steel and placing of concrete. Repairs were protected from the elements until fully cured.

The site was a fully operational ferry and fishing port providing for ferry services for the West coast of Scotland and local fishing vessels.

