



REQUEST FOR QUATATION

REPAIR WORKS AND INSTALLATION OF “D” SHAPED FENDERS TO ROLL-ON ROLL-OFF (RORO) RAMP GRAND TURK

Date: 16th August 2022

Summary

The Ports Authority of the Turks and Caicos (PATCI) is a government statutory body which is responsible for the safe and secure management of all Government ports in the Turks and Caicos Islands. This also includes maintenance of the ports on a regular basis which is carried out in accordance with government procedures in collaboration with the Public Works Department. Bellefield Landing is the site of the government commercial port for North Caicos and Middle Caicos, which would be operated by the Ports Authority.

Grand Turk Port is the economic hub that serves the residences on the island of Grand Turk and Salt Cay by extension. The RoRo Ramp at this port plays a significant role in the daily operations at the port as it now serves as the main berthing location for the Salt Cay ferry and also local transshipment throughout the TCI. Vessel captains berthing at the RoRo Ramp have made several complaints to the Ports Authority that berthing at this location was difficult as there are no safety fenders attached to the Ramp to avoid vessels from slamming against the dock while tied up. The Ports Authority taking these complaints into consideration has taken the initiative to source the fenders for the Ramp and will have them install to resolve the concerns of the local captains.

PROJECT DESCRIPTION

Framework Results

The project **goal** is to provide safe berthing at the RoRo Ramp to support local transshipping services at the Grand Turk Port Facility. The **purpose** of the project is to undertake urgent berthing improvements to the berthing zone to avoid damages to vessels being docked at that location. The project will **result** in installation of two (2) “D” Shaped fendering system which vessels will have a rubberize material

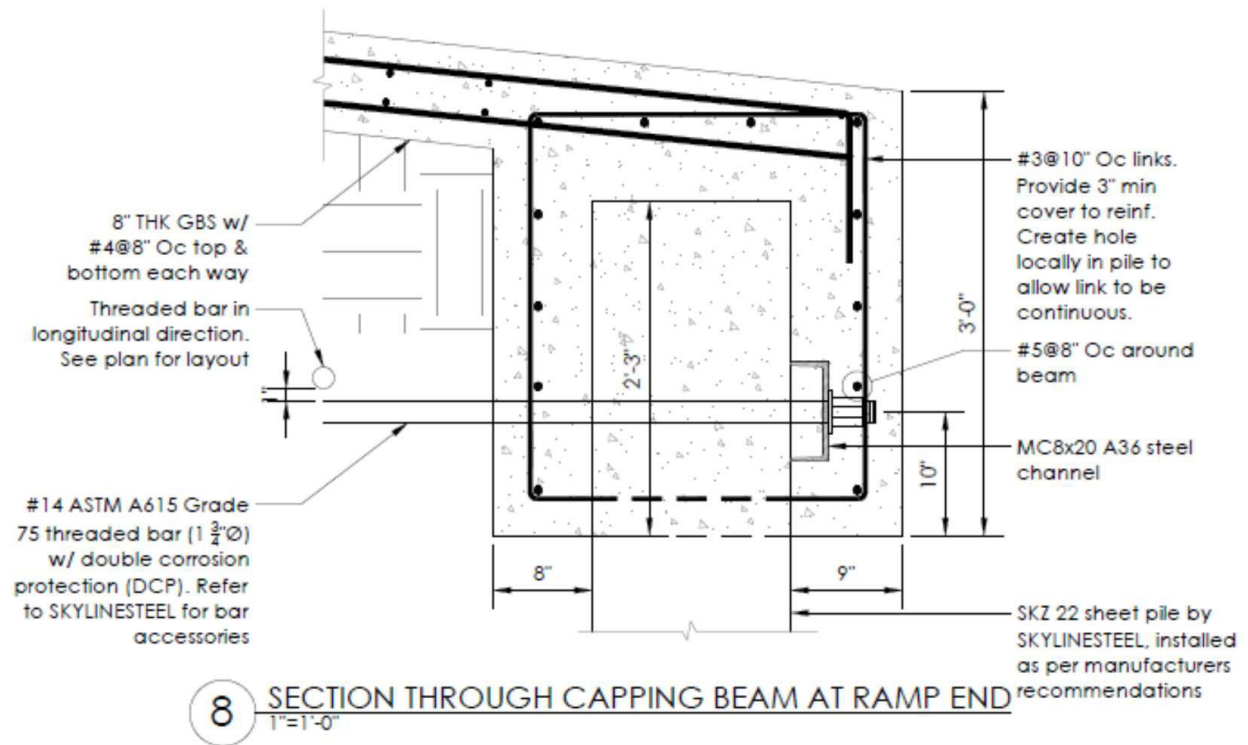
attached to the front of the Ramp to avoid vessel from being slammed against the dock directly and being damaged. Remedial repairs to ramp will also be undertaken.

SCOPE OF WORKS

1. Rectify damaged rebar and the repair the concrete.
2. Installation of Fenders.

Rebar/ Concrete Repairs

The repairs will take place at an exiting ramp, with details below:



Chip back all loose and cracked concrete in the damaged areas and further expose all rebar to be repaired, so that a min. of 1" of repair mortar can surround each bar.

Bend back the rebar to match the original construction detail below and add splicing bars to snapped rebar, lapping bars min. 40 x bar diameter.

Dowel in new rebar as needed, using preferably (**Hilti HUIT RE 500**) epoxy resin adhesive in

drilled holes in accordance with the manufacturer's recommendations. All dowelled rebar to have min. 4" embedment into the existing concrete and min. 5" distance from the edge of the concrete.

Mechanically scabble (roughen) the concrete surfaces to be repaired and clean off all loose material and dust.

Clean all exposed rebar with phosphoric acid (or equivalent product) to remove corrosion.

Coat rebar and concrete surfaces with preferably (**Sika Armatec 110 EpoCem**) reinforcement corrosion protection and bonding primer as per the manufacturer's recommendations.

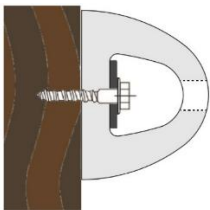
Patch and make good the chipped and damaged concrete areas with preferably (**Sika Repair 223**) cementitious patching material to reinstate the required min. 3" side and 2" top cover. Apply as per the manufacturer's recommendations; this can be hand troweled into place in multiple lifts where needed.

Seal all the repaired concrete surfaces with preferably (**Sika Top Seal 107**) cementitious waterproof coating as per the manufacturer's recommendations.

Coat all concrete surfaces that are suspected of having inadequate cover, with the side of the ramp as a minimum area, with preferably a (**Sika FerroGard 903**) penetrating, corrosion inhibiting, impregnation coating for hardened concrete as per the manufacturer's recommendations.

Fenders

D Shaped Rubber fender (DD) must be installed with pre-drilled holes. The Fenders must be installed according to the Manufacturer's specifications.



D Fender Installation Guide

D Shaped Marine Fenders are simple to install, requiring no specialised skills. These instructions are for the Light-Weight D Fender, Heavy Duty D Fender and the D Fender With Lip.

Please remember to employ the proper safety procedures when working in and around water and heights.

Required Equipment

- Aluminium or Stainless Steel Fixing Strip (provided)
- Appropriate Fixing Screw (adjust screw type according to fixing surface)
- Measuring Tape
- Power Drill

Installation Instructions

Step 1: Measure and mark the location of the guide holes at a maximum of 450mm apart (from centerlines).

Step 2: Laying the fender on a flat surface, use a power drill to drill the guide holes at the peak of the fender. Remove the drill swarf and burrs.

Step 3: Slide the aluminum/stainless steel fixing strip inside the fender along its base.

Step 4: Depending on its length, have somebody help you hold the fender in the desired position. If you are installing the D fender with lip, rest the inner edge of the lip against the top edge of the pier.

Step 5: Using a power drill, fix the screw into position

REQUEST FOR QUOTATIONS

The Ports Authority is requesting quotations (RFQ) from suitable and qualified contractors with experience and in the relevant business-license category to undertake urgent repair works and installation of newly fendering system to the RoRo Ramp at the South Dock Port in Grand Turk.

The works will be carried out in an active port setting so the repairs will need to be carefully coordinated with the Ports Authority as not to disrupt shipping.

In submitting quotation, prospective bidders should submit the following

- Copy of valid Business License
- A method statement indicating how they will carry out the repairs and installations.
- A list of equipment and personnel to be deployed.
- POW (Program of Works) Time frame for commencement and duration of the works .

It is expected that bidders would visit the project area or contact the Ports Authority to obtain information to support their quotations.

EVALUATION CRITERIA

The quotations will be evaluated based on the following criteria: Price / Cost to completed (75%); Time / POW (program of work) (25%)

Contact information:

Requests for additional information and clarifications should be sent to:

Mr. Dwayne Simons
Project Engineering Manager
Turks and Caicos Islands Port Authority
South Dock
Grand Turk
Phone 649-333-4576
Email: dsimons@portstci.com

Or

Mr. Delton Jones
Director
Turks and Caicos Islands Ports Authority
South Dock
Providenciales
Phone: 649 333 5404
Email: djones@portstci.com

SUBMISSIONS OF QUOTATIONS

The envelope bearing the quotation should be marked as follows:

“Repair works and installation of D shape Fenders to RoRo Ramp Grand Turk ”

Addressed to:
Mr. Delton Jones
Director
Turks and Caicos Islands Ports Authority
South Dock
Providenciales
Phone: 649 333 5404
Email: djones@portstci.com

All quotations should be received by Wednesday, August 31, 2021 at 4:00 p.m.