

## DEPARTMENT OF INFRASTRUCTURE, REGIONAL DEVELOPMENT AND CITIES

### 1.17 EVENT BRIEF – Cascade Pier Tour

<b>Date and Time:</b>	Thursday 15 November 2018, 10:00 am – 10:20 am
<b>Location:</b>	Cascade Pier
<b>Meeting with:</b>	Nil
<b>Attendees:</b>	Eric Hutchinson, Administrator

#### Outcomes Sought:

- A tour of the completed Cascade Pier upgrade and an update on future projects associated with the Cascade Pier including the Ports Traffic Management Plan, the Passenger Transfer Vessels and upgrades to road infrastructure at Cascade.

#### Key Issues:

- The Australian Government invested \$16.9 million in upgrading the Cascade Pier to facilitate greater access to Norfolk Island for cruise ships and to better support cargo transfers. This investment was important for tourism and local businesses on the Island.
- The Cascade Pier upgrade commenced in May 2016 and was completed on April 2018. The original fisherman's crane was also re-installed on the pier which is important to the Norfolk Island fishing community.
- Since the completion of the upgrade, the Cascade Pier has been used to unload cargo from the lighters using both the permanent fixed dock crane and Norfolk Island Regional Council's mobile crane. No cruise ship passengers have been unloaded at Cascade Pier since the completion of the project as the cruise ship season has just commenced.
- A Traffic Management Plan is currently being prepared by Consult Marine to manage traffic during cargo unloading operations at both Cascade and Kingston Piers. The Traffic Management Plan is being developed to address risks to Commonwealth Department of Agriculture and Water Resources and Commonwealth Department of Home Affairs staff undertaking tasks in an environment that does not comply with the Safe Work Australia Guide.
- The passenger transfer vessels, used to transfer cruise ship passengers from ship to port, are expected to be completed by mid-2019 (Key Issues Brief 2.08). The permanent fixed dock crane will be used to lift the vessels from the water for storage.
- To allow for the movement of the passenger transfer vessels and future cargo transfer vessels from the port to storage, upgrades to the road infrastructure at Cascade are required. The engineering and design works will be conducted this financial year.

#### Background:

- Some key features of the upgraded pier are:
  - a 24m long x 10m wide extension;

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- strengthening of the pier and improved structural integrity, increasing operational life;
  - the pier has been designed for a 50 year service life with minimal maintenance factoring in a sea level rise of 0.2m;
  - stainless steel reinforcement and stainless steel permanent anchors;
  - a dock crane which is 10m tall and has a 35t lift capacity at 7m reach and is permanently fixed to the deck;
  - the pier deck has been raised by 1 metre and wave deflectors installed, which significantly increases safety for pedestrians by extending the incident wave height to around 2.5m;
  - the pier has been re-orientated and extended which has reduced markedly the wave heights at the inner berth of the pier;
  - the addition of new tidal stairs and hand-railing provides a safer environment for cruise ship passengers and other vessel users to access the pier; and
  - additional safety features have been provided for local users including installation of guardrails, a safety ladder, a life buoy and better lighting.
- The new design of the pier will now accommodate a variety of cranes to use the pier including the Dock Crane, the Norfolk Island Regional Council's current and future Mobile Crane and the Fisherman's Crane. The current lifting capacity of Council's mobile crane for freight out of lighters is approximately 8 tonne, and with the Dock Crane, this has increased to 35 tonne. The new Dock Crane will also allow for future freight operations and allow the passenger transfer vessels to be lifted from the water for storage.
  - The design for the Cascade Pier reconstruction was completed by project delivery and consulting firm Advisian. This work included the completion of the design for construction works, testing the design for constructability, consulting locally with key stakeholders, developing a draft construction program and a peer review of the final design. Waterway Construction completed the construction of the pier.
  - To ensure safe and compliant use of the crane, 28 Norfolk Island residents undertook a one day Dock Crane training course, a further six Norfolk Island residents completed a five day Dogging course.
  - Under a Service Delivery Agreement for State Type Services, the NIRC is responsible for the management and use of maritime ports including port related infrastructure.

**Sensitivities:** Nil

**Attachments:** Nil

