

Banff Harbour Repair Works to East Pier and Railway Jetty

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11 January 2021



making the **difference**



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Project Overview

- **Repair works of pre-existing East Pier and Railway Jetty at Banff Harbour.**
- **Project Operating as an NEC Option A Contract with a project value of £1.3m**
- **Repair works considered essential to ensure the harbour can continue to operate safely, while ensuring the structural integrity and preservation of the listed structures.**
- **26 week programme, current target is to have the site cleared and handed over by 18th August 2021.**

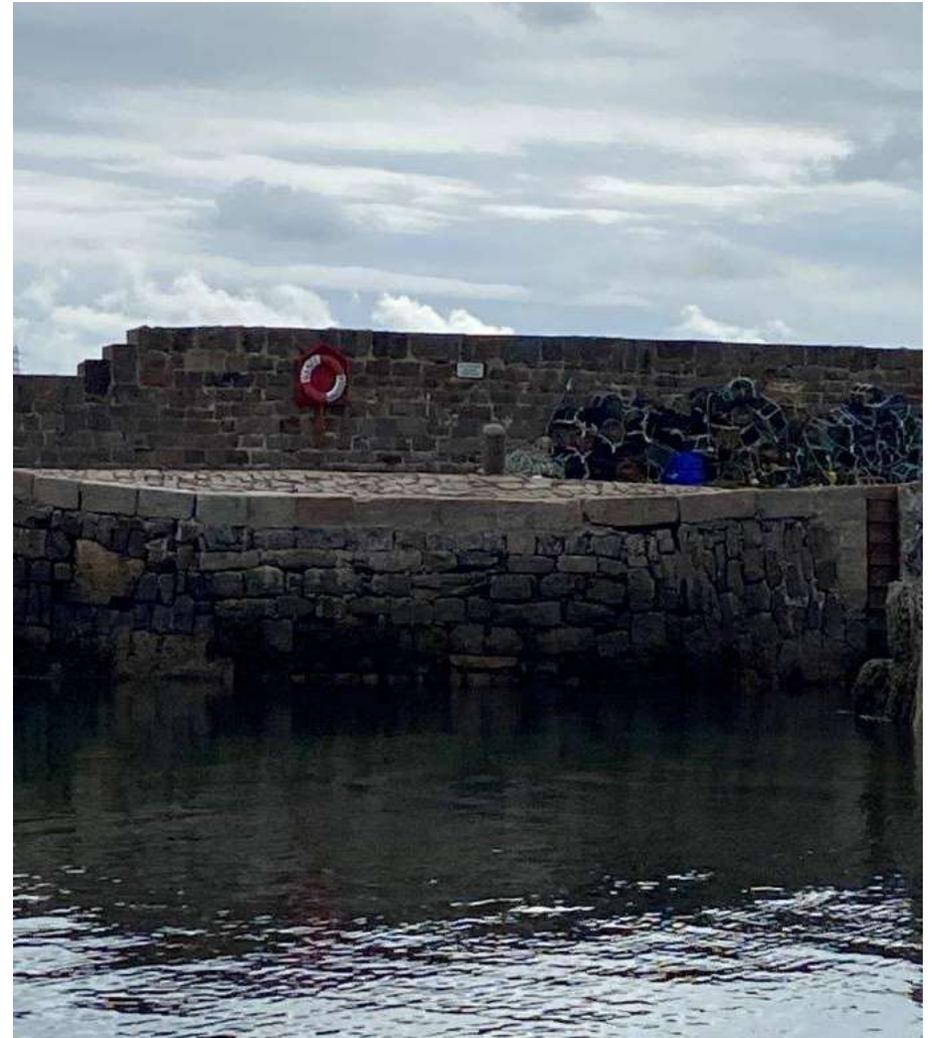
Introducing the Project Team

- **Aberdeenshire Council – Corrie Mccall (Principal Officer – Harbours)**
- Overall responsibility for the project. Will be involved in liaising externally with stakeholders and keeping all updated on project progress.
- **Turner & Townsend – Scott Adams (Project Manager)**
- Responsible for ensuring day-to-day management of the project, and ensuring the project runs on time and within budget.
- **Lochshell Engineering – Principal Contractor**
- The main contractor for the works. Responsible for delivering the works safely and in-line with the contract.
- **AECOM – Designer**
- Responsibility for most of the design and consulting on specialized matters.



East Pier Current Condition

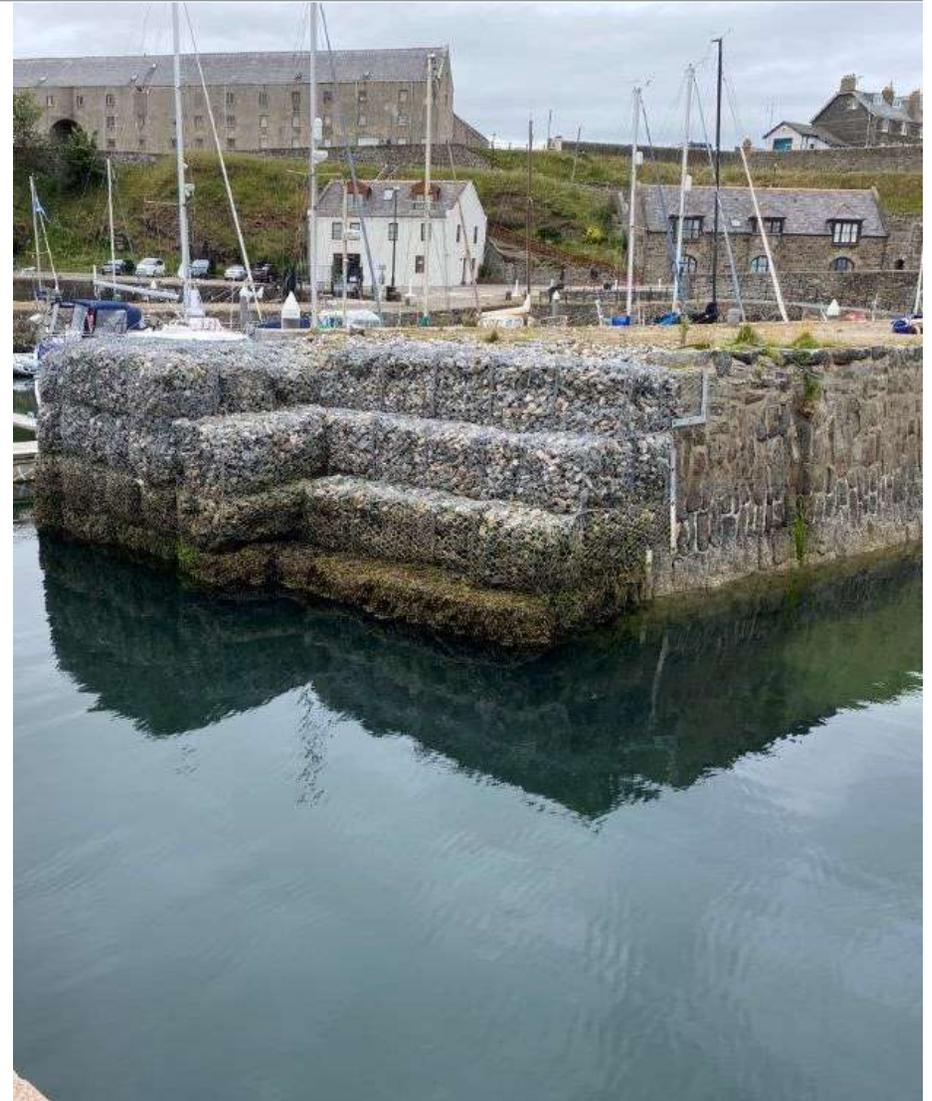
- Section previously repaired in 2007 has failed.
- Currently closed by barriers due to unsafe condition of the top of the pier.
- Monitoring has been in place which has shown further deterioration.
- Action must be taken now to avoid the condition of the pier becoming dangerous and potentially collapsing.



Railway Jetty Current Condition

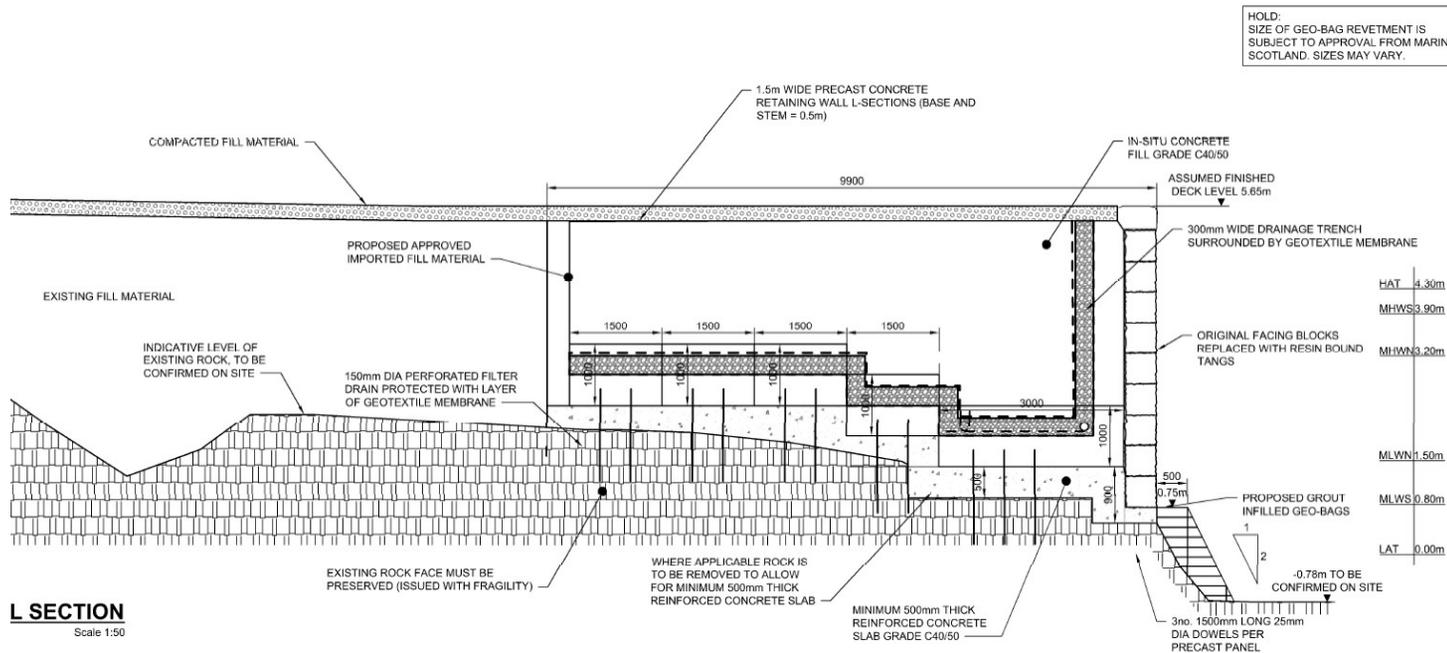


- Partial collapse in June 2017.
- Material was recovered and stockpiled in Macduff.
- Temporary solution was implemented which shows gabion baskets on top of a rock bed.
- Railway Jetty considered stable, however gabion baskets are not a long term solution and could fail over time, which would result in harbour closure.



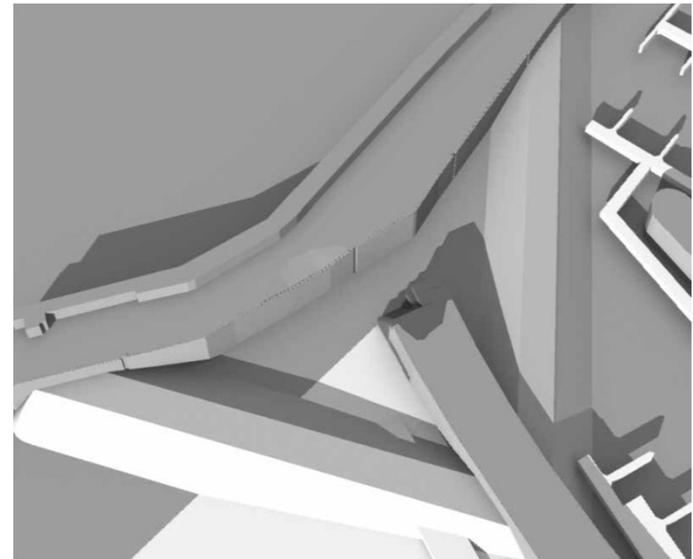
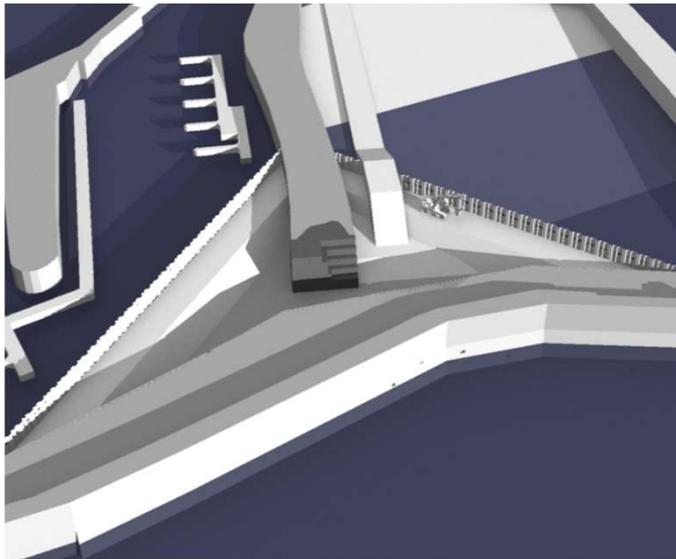
Railway Jetty Repair Methodology

- Design intent is to re-build the Railway Jetty traditionally in the dry.
- Pre-existing Gabion baskets will be removed to expose rock formation below pier.
- A reinforced slab along with a pre-cast retaining structure will be formed.
- Facing stone will then be constructed around the Railway Jetty which should be of the same style as pre-existing facing. This should be similar to what existed before the partial collapse in 2017.



Temporary Works

- An impermeable membrane will be placed over the East pier backwall in order to reduce water ingress through any pre-existing voids. It's hoped that during the project we will discuss and agree a permanent solution which will see repair works being carried out to the backwall.
- Stone material to be placed within harbour, this will create two bunds to allow an internal area to be de-watered. A platform will be created within this area allowing the opportunity for the contractor to work within a dry environment.
- This closes the harbour for the duration of the works, although allows for safe working and the delivery of the most efficient and preferred design solution.
- Vessel movement will not be possible from midnight on 29th January 2021.



Construction Programme

- Construction programme currently has works commencing 18th January 2021 with a date for re-opening the harbour on 18th August 2021.
- The first couple of weeks will be allowing site set-up, harbour closure is from 29th January 2021.
- Some minor works are scheduled for after 18th August 2021, however these should not impact harbour operations and are linked to demobilization of site welfare etc.
- A key focus on working to reduce the duration of harbour closure and improving on the 18th August 2021 date. Regular updates will be provided during the works.



Project Benefits

- Workers staying within the area will provide a boost to the local economy through staying in accommodation and visiting shops.
- There will be opportunities to engage with community groups to showcase the importance of Banff Harbour.
- Opportunities to engage with local schools to talk about the works and provide career advice for those interested in working in the construction industry.
- Long-term repairs to both the East Pier and Railway Jetty which will preserve the listed structures and provide a safe and efficient environment for harbour users and visitors to the local area.



Q&A

Thanks for your time!

Any Questions?

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