

Uig Harbour Redevelopment

Ath-leasachadh Caladh Ùige



Uig Harbour Redevelopment

Outage Review

- **Option 1 – Programmed Outage – 24 Weeks**
- **Option 2 – Two Stage Outage – 8 Weeks and 6 Weeks**
- **Further Review of Options to Reduce the Outage Duration**

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Two Stage Outage

Closure 1 (8 weeks) – 30 Jan to 27 Mar 2023

- Mobilising larger plant
- Dredge existing berth and install fender sockets
- Cut and lift out slab and extract piles
- Install new bankseat
- Install new piles for new linkspan dolphins
- Install new protection piles at roundhead
- Install temporary bridge over bankseat (8 months)

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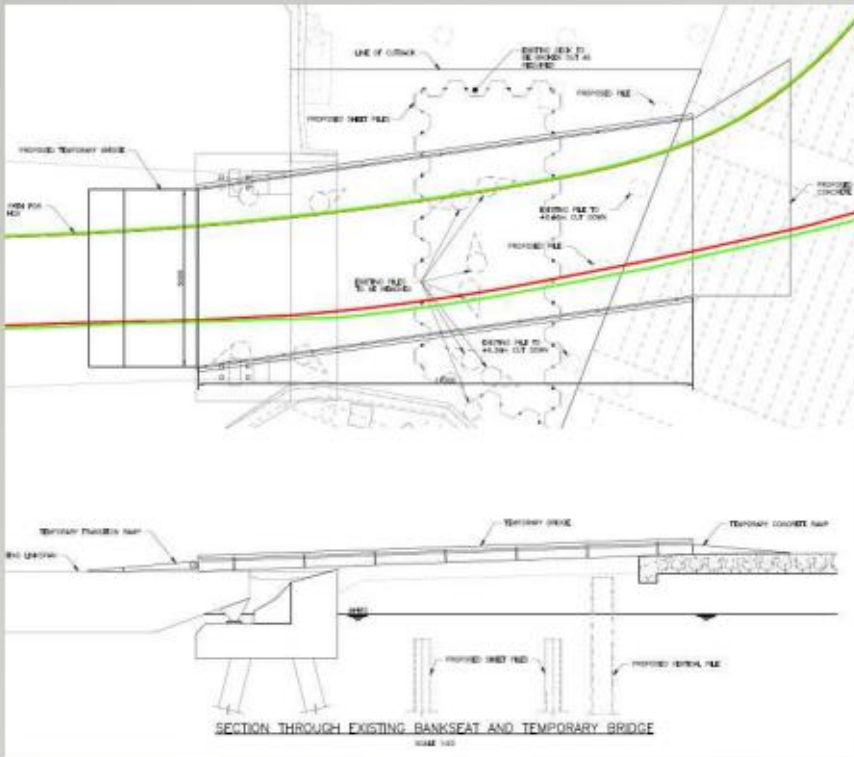
Two Stage Outage

Closure 2 (6 weeks) – 30 Oct to 11 Dec 2023

- Mobilising large crane barge
- Remove existing linkspan & equipment
- Remove existing linkspan dolphins and piles
- Remove existing bankseat and piles
- Remove existing fenders
- Install new linkspan, load test and commission
- Install new fenders

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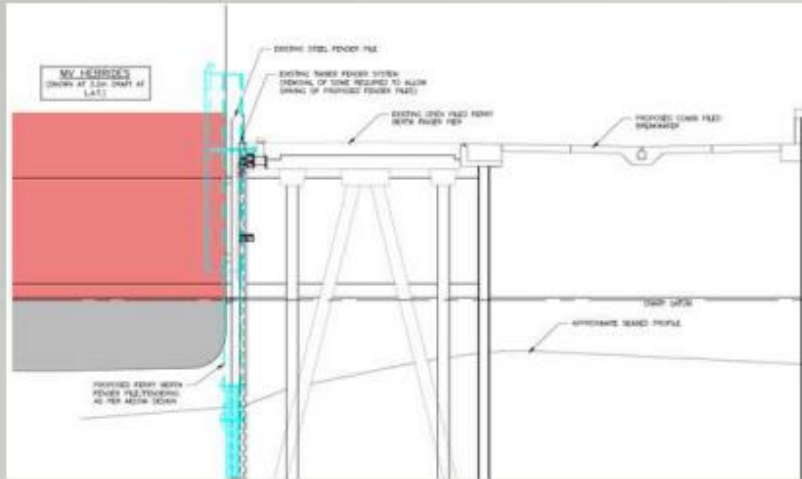
Bankseat – Installation of new bankseat



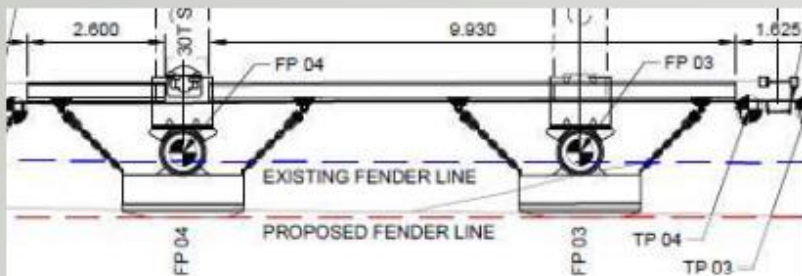
- Bankseat location has been optimised to avoid prestressed beams and reduce the number of piles required to support new section of deck.
- Piles to be installed during first closure period.
- Fabricate bespoke bridge to span over new bankseat and allow concrete works to progress outwith closure period.
- Would need a large crane to lift bridge on and off located on jackup or on the fill material from new berth to allow for concreting.
- Additional concrete required in bankseat due to pile clashes with existing bankseat raking piles.

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Berthing Fendering – Installation of fenders over closure periods

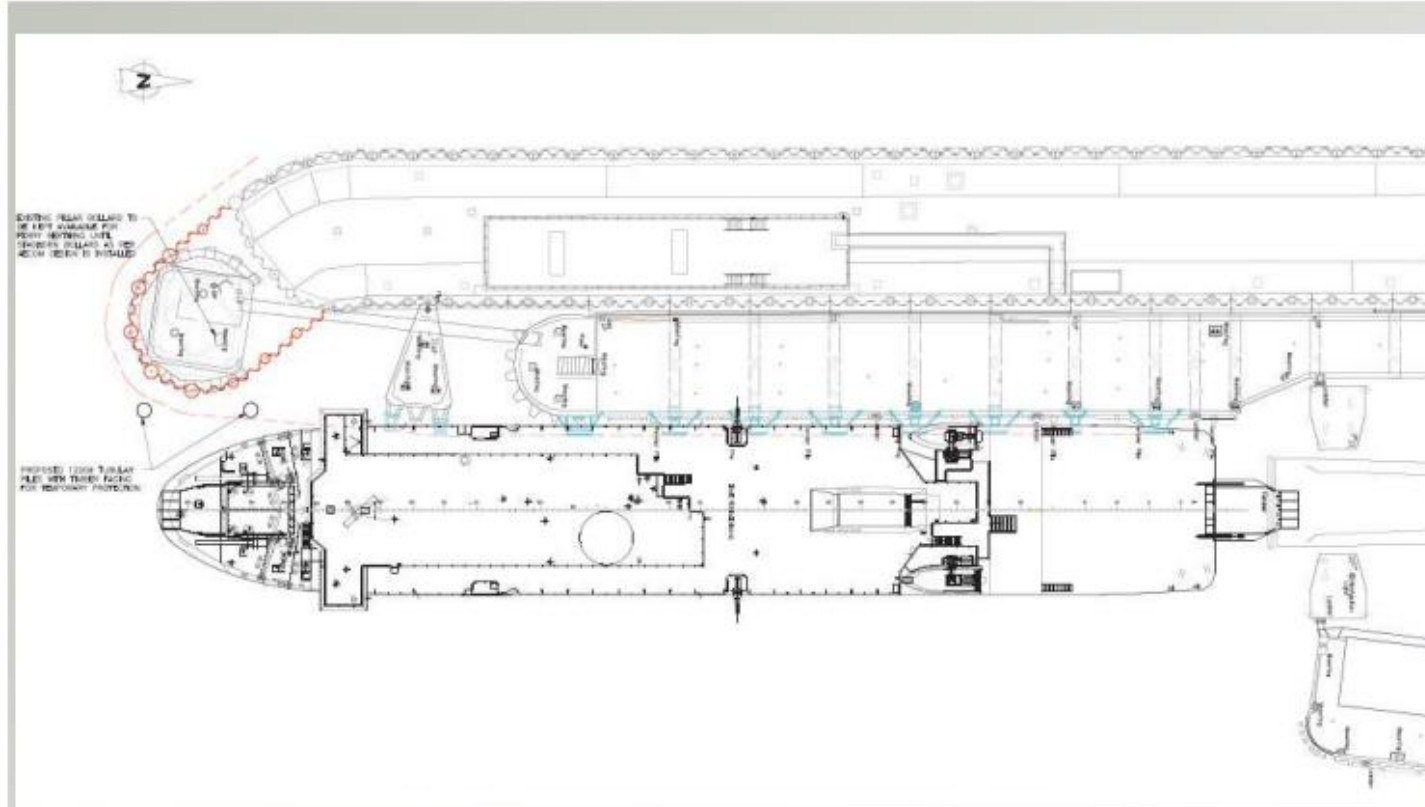


- Area to be dredged and fender socket installed in first closure.
- Socket protruding to -3.75 so requires approval from CALMAC.
- The new fender line is in front of the existing fender line so fenders to be installed during second closure period.



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Roundhead Piling & Fendering



- Vessels not permitted to use the roundhead January 23– June 23 (possible cancellations in certain wind conditions)
- Large Diameter temporary tubular piles installed to protect the works / vessels.
- Pile installation, backfill and roundhead fender installation undertaken outwith closure period with marine plant.
- Needs collaboration with all stakeholders and larger jackup and crane.

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Programme and Risks

- **Planned Completion**
- **Weather and Obstruction Risk**
- **Increase Cost**
- **7 Day Working**
- **Procurement of Specialist Plant – Early Decision**
- **Refinement of Designs**
- **Restricted Parking**
- **Temporary Use of Linkspan for Passenger Access**
- **Possible Berthing/Fuelling Restrictions for Fishing Vessels**

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Technical Risks

- **Disruption to Ferry Service**
- **Removal of Wave Wall on Berthing Structure**
- **Roundhead**
- **Temporary Bridge**
- **Existing Linkspan Extended Life**