

Harbours Advisory Committee

8 December 2022

Flood & Coastal Erosion Risk Management (FCERM) Engineering Update

For Review and Consultation

Local Councillor(s): ALL

Executive Director: J Sellgren, Executive Director of Place

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Report Status: Public

Brief Summary:

The purpose of this report is to provide an update and consult with Harbours Committee on the Flood and Coastal Erosion Risk Management (FCERM) engineering activities being undertaken within all three Dorset Council Harbours.

Recommendation:

Review report and comment upon progress of current activities.

Reason for Recommendation:

Update and consult with Harbours Committee.

1. Report

1.1 Lyme Regis Harbour

(a) Dredging

The next annual dredging works are programmed for March 2023. A tender was put together to test the market, and five contractors have been directly approached for quotations.

We will procure a suitable a dredging contractor by December to ensure that we have secured the services in time for the programmed dredging works. The Coastal Risk team is working closely with the Harbour Master

and the accountancy team to ensure that the necessary funds are available for this purpose. We are confident that we shall be able to continue with next year's activities as planned.

(b) Inspections

The Coastal Risk Team undertake scheduled routine asset inspections of Lyme Regis harbour. Inspections will be completed by end November.

(c) Repairs

We are continuing to monitor The Cobb structure and repair the surface, as necessary.

(d) Lyme Regis Environmental Improvement Scheme Phase 5

The council has gained approval of the Outline Business Case (for Defra grant funding) from the Environment Agency (EA) assurance board.

The next stage of the project (pre-construction) is underway and includes engagement with the public, stakeholders and commercial users, as well as final design and licensing applications. Discussions with statutory consultees such as Historic England, Natural England and the Marine Management Organisation have been organised.

Construction is proposed to commence in 2024. We will continue to monitor and carry out repairs to The Cobb in the meantime.

Key Milestones:

Task	Programme
Stakeholder engagement	Ongoing
Design Development	Winter 2022 – Spring 2023
Permits and Licences determination	Spring – Winter 2023
Proposed Construction start	Summer 2024

1.2 West Bay Harbour

(a) Dredging

The next annual dredging works are programmed for March/April 2023. A tender was put together to test the market, and five contractors have been directly approached for quotations.

We will procure a suitable a dredging contractor by December to ensure that we have secured the services in time for the programmed dredging works. The Coastal Risk team is working closely with the Harbour Master and the accountancy team in order to ensure that the necessary funds are available for this purpose. We are confident that we shall be able to continue with next year's activities as planned.

Some delays were experienced due to licensing processes, but the Marine Management Organisation (MMO) has indicated that the license will be issued by December 2022.

(b) Inspections

The Coastal Risk Team undertake scheduled routine asset inspections of West Bay Harbour. Inspections will be completed by end November.

(c) Repairs

Structural consultants have delivered a technical report on the asset condition of two walls within the Inner harbour area, as well as some recommendations. An internal capital bid with projected budgets was submitted for approval.

Pending funding approval, the Coastal Risk team will obtain consultancy services and implement the construction projects. A Statement of Requirement is currently being finalised to proactively take the project forward. In the meantime, the walls continue to be monitored by engineers.

1.3 Weymouth Harbour

(a) Dredging

Dredging is programmed to maintain the design depths. A survey of current harbour depths has been commissioned and is expected by end November. The results of which will inform the decision of whether dredging is required.

(b) Inspections

The Coastal Risk Team undertake scheduled, routine asset inspections Weymouth Harbour. Inspections will be completed by end November.

(c) Weymouth Flood & Coastal Risk Management Scheme Phase 1

FCERM Engineers are now in the process of developing the Outline Business Case (OBC) and it is programmed for completion in late 2023. Flood modelling and engineering surveys are underway. The first round of engagement with the local community has been completed and was a success, with reasonable levels of public participation. More engagement events are planned in future.

Key Milestones:

Task	Programme
Stakeholder engagement	Ongoing
Permits and Licences determination	Summer 2023 - Autumn 2024

Outline Business Case	Summer 2022 - Autumn 2023
Initial design period	Autumn 2023 – Winter 2024
Proposed Construction start	2025

(d) **Harbour Walls F&G (Peninsula)**

Commissioning of a site investigation contractor is being progressed. A design option study is also underway, and a final report is expected in December.

Key Milestones:

Task	Programme
Stakeholder engagement	Ongoing
Permits and Licences determination	Summer 2023 - Summer 2024
Design period	Summer 2023
Proposed Construction start	Autumn 2024

(e) **Pleasure Pier**

A structural assessment of the Pleasure Pier has been undertaken and it is considered structurally sound for current light pedestrian use, with repairable defects noted. Some of the railings on the pier are in poor condition and the Coastal Risk & Harbour teams are working closely to replace them. The respective railings are currently barriered-off to protect users of the Pleasure Pier.

(f) **Weymouth Strategic Flood Risk Assessment (SFRA) Level 2**

Providing the detailed flood risk evidence base for Weymouth in support of the development of the Dorset Local Plan. The work involves modelling all sources of flooding within Weymouth and around the harbour.

Progress is currently on schedule and a draft report is estimated to be completed by 30th November 2022.

2. **Financial Implications**

- 2.1 There are no financial implications arising from this report. All activities described are within allotted budgets.

3. **Climate Implications**

- 3.1 The regular maintenance and repair to engineering assets is beneficial to their remaining life expectancy and therefore has a lower impact upon the climate than replacement schemes.

Where future replacement schemes are required, the climate impact will be described in more detail within the cabinet paper for the respective scheme.

4. Well-being and Health Implications

- 4.1 Repair and renewal of harbour infrastructure aids commercial and recreational activity that is both marine and land-based.

5. Other Implications

- 5.1 The regular maintenance and repair to engineering assets is beneficial to their remaining life expectancy and therefore is a sustainable approach to the management of engineering assets.

Where future replacement schemes are required, the impact upon sustainability will be described in more detail within the committee paper for the respective scheme.

6. Risk Assessment

- 6.1 HAVING CONSIDERED: the risks associated with this decision; the level of risk has been identified as:

Current Risk: Low

Residual Risk: Low

7. Equalities Impact Assessment

- 7.1 An EQiA is completed for all relevant engineering work that may impact upon people. Therefore, an EQiA was not completed for this committee paper. This approach was agreed with a council equalities officer.

8. Appendices

- 8.1 Weymouth Harbour Wall Locations Map

9. **Background Papers**

None.