

Harbours Advisory Committee

22 November 2023

Flood & Coastal Erosion Risk Management (FCERM) Engineering Update

For Review and Consultation

Portfolio Holder: Cllr R Bryan, Highways, Travel and Environment

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 Advisory Committee.

1. Report

Bridport Harbour (West Bay)

(a) Dredging

Dredging for both West Bay and Lyme Regis are undertaken as a single dredging operation. The planning and preparation for 2024 operations are well underway. The tender has been advertised and closes end of

November. Dredging is planned to commence in February and for completion before the 2024 Easter Weekend.

(b) Inspections and repairs

This year's annual round of inspections by Coastal Risk Management has been completed and any defects identified are taken up in the coastal risk team's maintenance and repairs work list. Repair works are therefore prioritised as part of the overall repair needs, that are financed from the revenue budget.

Given revenue maintenance budget constraints, the Coastal Risk Team will need to be selective in doing repairs that are not direct results of storm or weather damage; until the winter season and its associated risks have passed.

(c) Wall A works

Harbour Wall 'A' is showing signs of settlement which is actively being monitored by engineers. The necessary work has been assessed and preliminary cost estimates for budget planning purposes have been done. Works are already included within the council capital programme and a business case to access the funding has been submitted.

The table below gives an overview of the current preliminary programme.

Task	Programme
Design development and buildability	Spring – Autumn 2024
Site and ground investigations	Autumn 2024
Planning, Permits and Licences	Spring-Autumn 2024
Contractor procurement	Summer-Autumn 2024
Proposed Construction start	Winter 2024

(d) Harbour Wall B Stabilisation & Repair

The works have become urgent with the wall showing increasing signs of movement. The wall is in a worse condition than initially thought; and the consultant is responding with making appropriate changes to the detailed design.

The project team has had contractor input on buildability, which has narrowed down the construction options available to do the work successfully. The Coastal Risk Team will work with the Highways department, who is acting as the principal contractor. This has served to shorten the time needed for contractor procurement.

We hope to engage and inform the public about the project, through the engagement element built into planning process. The table below gives an overview of the preliminary programme.

Key Milestones:

Task	Programme
Stakeholder engagement	Ongoing
Design Development	Ongoing
Permits and Licences determination	Ongoing
Proposed Construction start	Winter 2023

1.2 Lyme Regis Harbour

(a) Dredging

Dredging for both West Bay and Lyme Regis are undertaken as a single dredging operation. The planning and preparation for 2024 operations are well underway. The tender has been advertised and closes end of November. Dredging is planned to commence in February and for completion before the 2024 Easter Weekend.

(b) Inspections and repairs

This year's annual round of inspections by Coastal Risk Management has been completed and any defects identified are taken up in the coastal risk team's maintenance and repairs work list. Repair works are therefore prioritised as part of the overall repair needs, that are financed from the revenue budget.

Given revenue maintenance budget constraints, the Coastal Risk Team will need to be selective in doing repairs that are not direct results of storm or weather damage; until the winter season and its associated risks have passed.

(c) The Cobb repairs.

Repairs have been done to the Cobb and the structure is under continued monitoring. In order to mitigate the risk of storm damage this winter, an emergency response plan has been drafted and will be implemented by the Coastal Risk Team. For the time being the structure is open to the public as usual.

(d) Lyme Regis Environmental Improvement Scheme Phase 5

Engagement is ongoing with the public, stakeholders and commercial users, as well as final design progress and licensing applications. Discussions with statutory consultees such as Historic England, Natural England and the Marine Management Organisation are also ongoing.

As verbally highlighted at the previous committee meeting, the project has a funding shortfall which poses a risk to delivery of the project. The project

team are currently working hard to progress discussions with potential funders with the intent to close the funding gap. In the meantime, investigations and design analysis are planned that will hopefully help to refine costs further.

Construction is still scheduled to commence late summer 2025.

Key Milestones:

Task	Programme
Stakeholder engagement	Ongoing
Design Development	Winter 2022 – Winter 2023
Permits and Licences determination	Spring 2023 – Autumn 2024
Proposed Construction start	Summer 2025

1.3 **Weymouth Harbour**

(a) **Dredging**

Nothing to note.

(b) **Inspections and repairs.**

This year's annual round of inspections by Coastal Risk Management has been completed and any defects identified are taken up in the coastal risk team's maintenance and repairs work list. Repair works are therefore prioritised as part of the overall repair needs, that are financed from the revenue budget.

Given revenue maintenance budget constraints, the Coastal Risk Team will need to be selective in doing repairs that are not direct results of storm or weather damage; until the winter season and its associated risks have passed.

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

The Outline Business Case (OBC) is programmed for completion in December 2024. Further data collection and modelling have been concluded. This mainly involved wave overtopping, sea-level rise and flood inundation scenarios.

Currently there exists a funding gap for the delivery of the strategy. Dorset Council will have to develop a funding strategy, where different sources of funding are identified and secured. This involves identifying and on-boarding a specialist that can develop and lead on such a strategy. Currently the project engineer is working on developing a profile, in order to identify the right qualifications, experience and skillset that is needed in a candidate for such a role.

The table below give an overview of the current project programme.

Key Milestones:

Task	Programme
Stakeholder engagement	Ongoing
Permits and Licences determination	Winter 2024 – Autumn 2025
Outline Business Case	Summer 2022 – Winter 2024
Initial design period	Summer 2025 – Summer 2026
Proposed Construction start	Winter 2026

(d) Harbour Walls F&G (Peninsula)

The decision has been made to progress with the wall design life of 50 years. Engineers are assessing if other options could potentially extend the predicted life span.

The project is currently primarily funded from Levelling-Up Funding. However, the project currently has a funding shortfall and officers are in discussion to identify available sources to resolve the issue.

The table below gives an overview of the current project programme.

Key Milestones:

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

(e) Harbour Wall 4 (North Quay)

Cabinet approval has been given for the appointment of Hansons in accordance with the Dorset Highways Works Term Service Contract and we are engaged in finalising the details of the Agreement prior to their appointment.

The table below gives an overview of the current project programme.

Key Milestones:

Task	Programme
Stakeholder engagement	Ongoing
Permits and Licences determination	Summer 2023 – Winter 2023
Design period	Summer 2023
Proposed Construction start	Winter 2023

(f) Pleasure Pier

Work to the Pleasure Pier has been successfully completed.

(g) Weymouth Strategic Flood Risk Assessment (SFRA) Level 2

This provides the flood risk evidence for Weymouth in support of the development of the Dorset Local Plan and provides the base data for the FCERM scheme OBC. The work has involved modelling all sources of flooding within Weymouth and around the harbour.

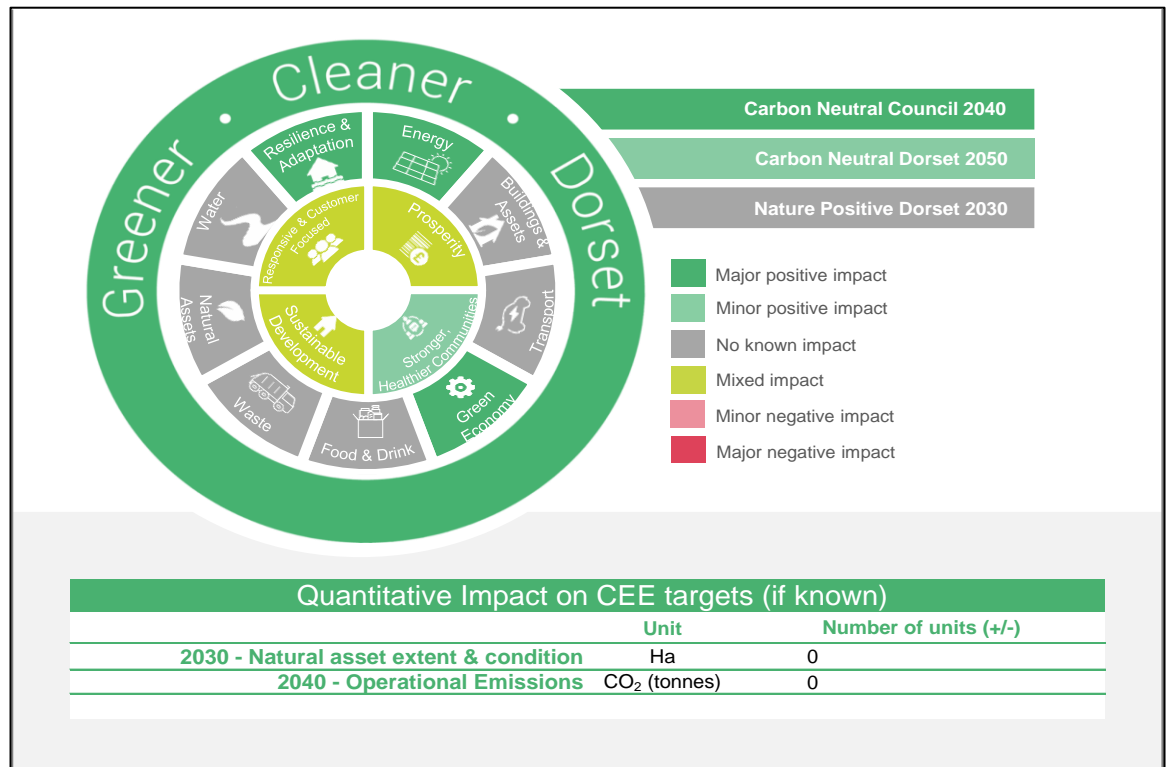
We have recently met and corresponded with the EA to formalise our understanding arising from the study. We are currently awaiting their response.

2. Financial Implications

2.1 There are no financial implications arising from this report.

3. Natural Environment, Climate & Ecology Implications

3.1



3.2 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 or 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 Location Map

- 8.2 Bridport Harbour Walls A&B Location Map

- 8.3 Climate Decision Wheel Accessible Impact Assessment and Table of Recommendations

9. **Background Papers**

None.