

Harbours Committee

8th December 2021

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 Councillors

Executive Director: J Sellgren, Executive Director of Place

Report Author: Matthew Penny

Title: Lead Manager – Flood & Coastal Erosion Risk Management

Tel: 01305 252290

Email: matthew.penny@dorsetcouncil.gov.uk

Report Status: Public

Recommendation: Review report and comment upon progress of current works.

Reason for Recommendation: Update and Consult with Harbours Committee.

1. Executive 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 works being undertaken within all three Dorset Council Harbours.

2. Financial Implications

There are no financial implications arising from this report. All works described are within allotted budgets.

3. Well-being and Health Implications

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

4. Climate implications

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.

5. Other Implications

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

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

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

8. Flood & Coastal Erosion Risk Management (FCERM) Engineering Update

8.1 Lyme Regis Harbour:

Dredging:

APBmer was appointed to consult on and manage the licensing application. The license is expected to be granted January/February 2022. Parallel to this process, FCERM engineers are in negotiation with two possible contractors to deliver the works. Works are intended to be complete by end of March 2022.

Inspections:

On target for completion by end November 2021.

Repairs:

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

Lyme Regis Environmental Improvement Scheme Phase 5 (The Cobb):

The project team is now focused upon applying for and obtaining flood defence grant-in-aid from DEFRA and are currently developing a business case to apply for funding. FCERM Engineers intend to seek cabinet approval for the business case in February 2022, and Environment Agency approval in March 2022.

Key Milestones:

Task	Programme
Outline Business Case	Autumn 2021 to March 2021
Stakeholder engagement	Winter 2021 – end of works
Permits and Licences determination	Spring 2022 onward
Proposed Construction start	Autumn 2023

8.2 West Bay Harbour:

Dredging:

APBmer was appointed to consult on and manage the licensing application. The license is expected to be granted January/February 2022. Parallel to this process, FCERM engineers are in negotiation with two possible contractors, for delivering the works. Works are intended to be complete by end of March 2022.

Inspections:

On target for completion by end November 2021.

Repairs:

Specialist consultants PCRM completed the condition assessments of the eastern basin walls/walkways in May 2021. Their report made a number of recommendations regarding potential remediation works to the walls and further site investigations required to inform future design work.

The site investigation works are to be carried out w/c 15th November and are expected to take 5-7 days. This will involve excavating trial pits in the footpath behind the walls, CCTV drainage and installing further monitoring points. Some concrete bags will also be placed in the void under one of the walls. The site investigation report will hopefully be received by year-end. Given the need for repairs, procurement routes for the design works are being considered now.

8.3 Weymouth Harbour:

Inspections:

On target for completion by end November 2021.

Capital Remedial works (see location plan in appendices):

Weymouth Harbour & Esplanade FCRM Scheme Phase 1:

This is a proposed multi-million-pound scheme that intends to replace and repair the harbour walls up until 2040 and improve the flood defence standard of protection to reduce the impact of climate change. The proposed scheme will also investigate the level of risk from multiple forms of flooding within Weymouth.

The proposed scheme is detailed in the Weymouth Harbour & Esplanade FCRM Strategy document that was agreed to by cabinet in November 2020:

<https://www.dorsetcouncil.gov.uk/emergencies-severe-weather/flooding/pdfs/weymouth-fcrm-strategy-dc-report-v4.0-final-compressed.pdf>

The Council FCRM engineering team have engaged support from specialist consultant and the project team have recently finalised the strategic outline case (SOC) for the scheme. The SOC gained Council Cabinet approval in June 2021 and Environment Agency (EA) assurance in September 2021.

We have now engaged the same specialist consultant to deliver the Outline Business Case (OBC) - they are currently drafting their proposal. The OBC will also require the approval of the EA and we have been working closely with them to deliver this.

Key Milestones:

Task	Programme
Stakeholder engagement	March 2021 - end of works
Permits and Licences determination	Spring 2023 - Spring 2024
Outline Business Case	Winter 2021 - Summer 2023
Design period	Summer 2023 - Spring 2024
Proposed Construction start	Autumn/Winter 2024

Harbour Wall C (Slipway Nothe Parade):

We are now working closely with a contractor to finalise the programme and we are due to start construction in the new year. Local residents and businesses are being communicated with on a regular basis in order to minimise disruption.

Key Milestones:

Task	Programme
Stakeholder Engagement	October 2020 – end of works
Permits and Licences determination	May – November 2021
Construction Works	January 2022 - March 2022

Harbour Walls E&9 Repair Works (Peninsula):
Construction works are to start imminently and will be run in conjunction with the Weymouth Quay Regeneration Project (WQRP).

Key Milestones:

Task	Programme
Stakeholder Engagement	November 2020 – end of works
Permits and Licences determination	December 2020 - November 2021
Construction Works	November 2021– May 2022

Harbour Walls F&G (Peninsula):

Risk Management measures have now been in place since June 2021, and they include a 5m exclusion zone for pedestrians and 10m for vehicles and weekly inspections of the capping beam, footpath and car park surface.

8.4 Portland Harbour:

Portland Harbour North West Shoreline:

This project is an extensive 5-year monitoring study for part of the coastal slope of Portland Harbour North West Shoreline (frontage to Wyke Regis area). A cliff management strategy will be produced at the end of the study.

Council FCERM Engineers have successfully obtained a further £80,000 of local levy funding to cover higher than expected supplier costs. The project budget is now £250,000 (all externally funded).

FCERM engineers have procured the services of a specialist geotechnical engineering consultancy to support development of a cliff monitoring plan and installation of monitoring equipment. Installation of the equipment will commence this winter.

Key Milestones:

Task	Programme
Cliff Monitoring Plan development	November-December 2021
Monitoring equipment installation	Winter 2021/22
Cliff inspection updates	Annually until 2026
Cliff Management Strategy	Winter 2026

9. Appendices

Weymouth Harbour Wall Locations Sept 2021

10. Background Papers

None

Footnote:

Issues relating to financial, legal, environmental, economic and equalities implications have been considered and any information relevant to the decision is included within the report.