

Harbours Committee

17th March 2021

FCERM Engineering Update

For Review and Consultation

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

Local Councillor(s): Cllr Mark Roberts

Executive Director: J Sellgren, Executive Director of Place

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Report Status: Public

Recommendation: n/a

Reason for Recommendation: n/a

1. Executive Summary

The purpose of the report is to provide a Flood and Coastal Erosion Risk Management (FCERM) engineering update, for all three Dorset Council Harbours, to Harbours Committee.

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. FCERM Engineering Update

8.1 Lyme Regis Harbour:

Dredging:

Completed following delayed start due to Covid-19.

Inspections:

Completed for 2020. No significant concerns identified.

Repairs:

We are continuing to monitor the structure and anticipate that a few patch repairs to surfaces at the Cobb will be required.

Lyme Regis Environmental Improvement Scheme Phase 5 (The Cobb):
The project team have completed a review of the design elements of the scheme and these now need to be discussed with elected portfolios holders and senior council staff as minor changes are to be proposed. We then intend to discuss those plans with the wider community, including key stakeholders.

We are now aiming to have the flood defence grant-in-aid business case ready to submit by July 2021, which is a delay primarily due to resource of both internal and external staff, and current COVID related issues. We are not concerned that this delay will affect the intended construction start date

Key Milestones:

Task	Programme
Outline Business Case production	Now – July 2021
Stakeholder engagement	April 2021 – end of works
Permits and Licences determination period	Spring - Winter 2021
Proposed Construction start	Autumn 2022

8.2 West Bay Harbour:

Dredging:

Completed following delayed start due to Covid-19.

Inspections:

Completed for 2020. No significant concerns identified.

Repairs:

Specialist contractors, PCRM, commenced the investigation and assessment of the eastern basin walls/walkways in January 2021. We hope to have a report of their findings by March/April.

8.3 Weymouth Harbour:

Inspections:

Inspection of harbour undertaken in Dec 2020, use of photographic drone used along inaccessible walls.

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 scheme also covers the Weymouth Town Beach frontage.

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 FCERM engineering team have engaged support from specialist contractors and the project team are currently developing the strategic outline case for the scheme with the intent to submit for approval to Council Cabinet later this year. The business case will also require the approval of the Environment Agency and we are working closely with them to deliver this.

Key Milestones:

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

Harbour Wall D Strengthening works (East End of Custom House Quay):

Minor defects are planned to be rectified, these are not impacting the structure use, operations or quality. Covid-19 has delayed rectifying these defects. Ferry step lighting is outstanding and we are discussing with our contractor a suitable design.

Harbour Wall C (Slipway Nothe Parade):

Site Investigations commenced last week and concluded with sound data being collected. This included trail pits on the road at Nothe Parade. Partial closure of Nothe Parade to vehicles east of Nelson's Wharf was required. Further investigations are due early March to assess the steel sheet piles and any voids behind. These investigations will be carried out by boat.

Key Milestones:

Task	Programme
Site Investigation works	February – March 2021
Design Period	March – May 2021
Stakeholder Engagement	October 2020 – end of works
Permits and Licences determination period	May – July 2021
Construction Works Start	October 2021

Harbour Walls E&9 Repair Works (Peninsula):

Site Investigations have now concluded and the design is currently being finalised by our designer. The wall repairs are part of the Weymouth Quay Regeneration Scheme.

Key Milestones:

Task	Programme
Site Investigation works	November – January 2021
Stakeholder Engagement	November 2020 – end of works
Design Period	January - February 2021
Permits and Licences determination period	December 2020 - April 2021
Construction Works Start	April – November 2021

Harbour Walls F&G monitoring (Peninsula):

Data collected so far has been analysed by JBA Consulting and they have concluded that there has been no significant movement since the start of the monitoring in August 2019. Monitoring is ongoing.

8.4 Portland Harbour:

Portland Harbour North West Shoreline:

A funding bid to Wessex Regional Flood & Coastal Committee was recently approved for £170,000 in order to fund an extensive 5-year monitoring study for the coastal slope of Portland Harbour North West Shoreline (frontage to Wyke Regis area). The study has been developed in conjunction with the Environment Agency and engagement with the Jurassic Coast Trust. Key stakeholder engagement forms part of the study. The study intends to provide evidence for any potential future intervention that may (or may not) be required.

9. Appendices

FCERM Weymouth Harbour Walls Remediation Project Wall Location Plan App 1

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.