

CUSHENDALL SEA DEFENCE WALL	7th November 2017
TO: ENVIRONMENTAL SERVICES COMMITTEE	
FOR DECISION	

Linkage to Council Strategy (2015-19)	
Strategic Theme	Protecting and Enhancing Our Environments & Assets
Outcome	Our citizens will be given the maximum opportunity to enjoy our natural environments
Lead Officer	Head of Capital Works, Energy and Infrastructure
Estimated Cost:	£200,000.00

The purpose of this Report is to request permission to progress to Stage 2 of the Capital Programme Management System (development of detailed designs and specifications and progression of procurement process).

Background

In July 2017 it was reported that a section of the existing sea defence wall at Cushendall had failed.

(See Appendix A for Photographs of Failure and Location Details)

The Capital Works Department attended site and made safe by relocating the footpath and isolating the affected area.

Officers investigated probable causes of the failure and instigated site investigation to inform potential solutions. It has been concluded that without intervention further erosion will take place impacting on public safety and amenity in the adjacent area.

Options Appraisal and Feasibility

Various replacement options have been explored and further refined after consultation with Statutory Bodies.

The preferred option has been costed as part of a feasibility review – this being a reinforced concrete wall bedded on rock and supplemented with scour protection to mitigate against future undermining of the wall.

It is also proposed to carry out remedial works to the sections of wall either side of the current failure (including adjoining the footbridge) where there is scouring evident.

The costs from the feasibility study of the above solution is £200,000.00 which includes an allowance of 15% for optimism bias.

Programme

Subject to the completion of Stage 2 and Council approval to progress to Stage 3, it is envisaged works could commence Spring 2018 with completion Summer 2018.

Recommendation

It is recommended the Environmental Services Committee approve progression of this project to Stage 2 of the Capital Programme Management System by developing detailed designs and Specifications and progression of the procurement process.

On completion of Stage 2 a full tender report will be brought back to Council to allow the final investment decision to be made.

Appendix A

Failure Location and Photographs



Location of Failure



Structural Failure and Scouring Evident



Footpath Relocated and Area Made Safe