

MORECAMBE WAVE REFLECTION WALL REPLACEMENT

Lancaster City Council Newsletter

January 2016

What's Going On? On Morecambe Prom

We're replacing 4 kilometres of sea defence wall along Morecambe's Promenade – this is Phase 1, the first 1.8 kilometres. We'll also install new surfacing, seating & lighting, ensuring our new promenade reflects the beauty of the Bay.

Why are we doing this?

The coastal defences at Morecambe have been heavily engineered during the past 100 years and particularly since the 1980's in response to significant overtopping and flood damage during storms. The wall was constructed as part of a scheme of works to protect the town of Morecambe from flooding due to breaches and overtopping of the sea wall.

Over the years parts of the wall have been subject to alkali silica reaction (ASR) and as a result the wall needs to be replaced.

The project is supported by funding from the Environment Agency and will be undertaken through 3 distinct phases. By replacing it now, we continue to protect 12,000 homes and businesses from flooding.



The current wall showing signs of ASR

Phase 1 - Lord Street to Happy Mount Park

Phase 1 will see the replacement of some 1.8 kilometres of sea defence wall and replacement of associated surfacing, seating and lighting where required. The project will also see the creation of three distinct up and overs which are an access feature consisting of ramps and steps up to a wall top platform allowing even better views across the bay, and prom access even when other accesses are closed off by storm boards. Phase 1 from Lord Street to Happy Mount Park is due for completion by Spring 2017.



Before



After - Artist's impression by kind courtesy of Atkins.

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The First Unit Going In

Since November the first one hundred metres of old wall from Lord Street heading towards Happy Mount Park have been demolished and we have started to install sections of the new wall.

The wall is constructed from the most environmentally friendly concrete commercially available using blast furnace slag instead of half of the Portland cement, reducing the carbon footprint.

The units are formed in steel moulds in a casting yard on White Lund and brought to site only when needed for installation.

The standard sections weigh 5 tonnes each (about the weight of a fully grown elephant) and are lifted into place by a large hydraulic excavator.

Work will soon move down the prom along with work starting on the first up and over opposite Thornton Road.



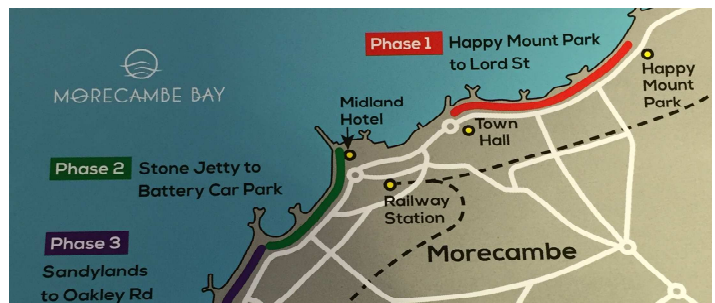
The First Unit Going In

The Phases

Phase 1 will focus on the Wave Reflection Wall replacement along Marine Road East between Lord Street and Happy Mount Park.

Phase 2 will focus on the Marine Road West area from the Midland Hotel to the Battery.

Phase 3 will focus on the Sandylands Promenade area.



The Phases of Construction

Who's doing the work?

VBA Joint Venture Ltd. is a consortium made up of Atkins, Boskalis and VolkerStevin, highly qualified and experienced environmental engineers and design consultants.

How can you find out more?

We will update you again with a newsletter in March/April to provide more information on the scheme and our programme of works.

If you have any questions, comments, suggestions or concerns, please contact our Project Liaison Officer Glenn Harrison by telephone: **07876 876488** or via email: info.wavewall@vbajv.co.uk

Or see the project website at www.lancaster.gov.uk/wave-reflection-wall