

## **Aberdeen Harbour Expansion Project West Quay suspended deck construction Method statement**

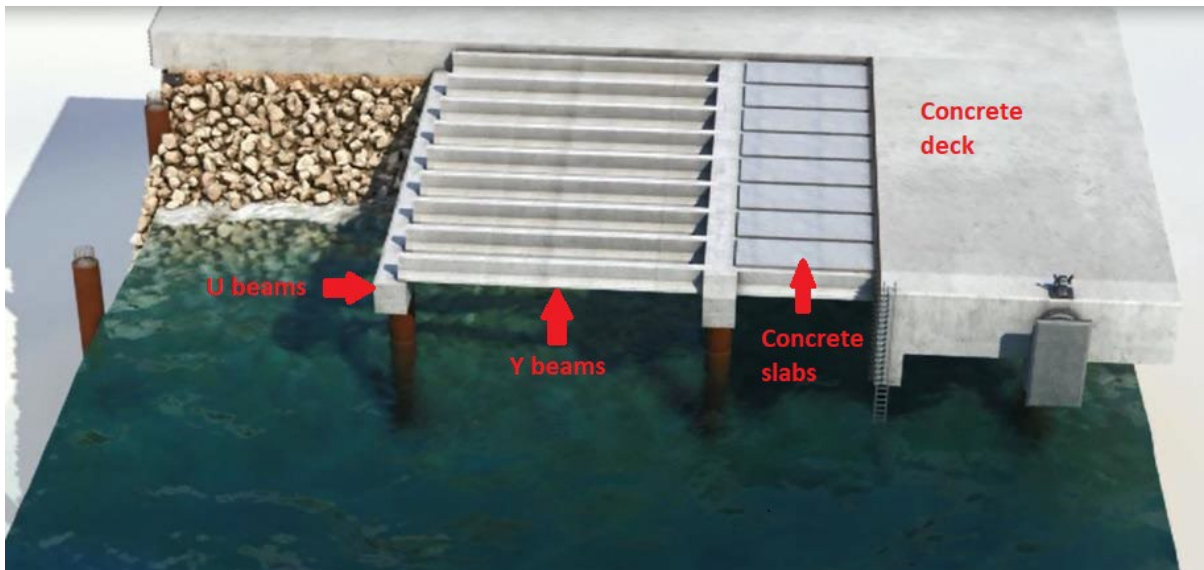
All piles to support the open quay have already been installed. The revetment underneath the open quay has been installed. Installation of the suspended deck (covered by this application) will take place entirely above the water.

A land-based crane will lift pre-fabricated elements of the deck into position, in the following sequence:

1. 'U beams' will be placed perpendicular to the quayside, i.e. west-east, on top of the existing piles.
2. 'Y beams' will be placed parallel to the quayside, i.e. north-south, on top of the U beams. The contained recesses of the Y beams will be filled with concrete.
3. Pre-fabricated concrete slabs will be placed on top of the Y beams.

Once the prefabricated elements have been installed along the length of the West Quay, a cope beam will be fixed to the front (seaward) face of the quay to create a contained area behind. Concrete will then be poured to create the final surface of the quayside.

An illustration of this layout is shown in the figure below. Photographs of the ongoing installation of the suspended deck on the North-West Quay are provided on the following pages, for illustration.



The prefabricated elements are already on site. Concrete will be delivered by road as required.

Work will be carried out up to seven days a week during daylight hours.

A small safety boat will be on station during the works.

**Photographs of North-West Quay installation June 2022**

**[For illustration only – the North-West Quay will be completed by 31 October 2022 under the existing marine licence]**



