

02 SPAN LENGTHS

SUMMARY – SPAN LENGTHS

A span of 125m is preferred to achieve the most open structure as possible.



100M



125M





BASECASE 125M







BASECASE 100M



BASECASE 125M



BASECASE 100M



BASECASE 125M

03 CABLE STAYED BRIDGE

SUMMARY – CABLE STAYED BRIDGE

The inclining vertical profile and one sided navigational span at the Southern landing asks for an asymmetrical bridge.

The BASECASE cable stayed sidespan has asymmetry to some degree and quite short spans.

The sidespan stay arrangement is combined by two systems which can look unorganized from some angles.

The proposed OPTIONAL sidespan underlines the asymmetry even more and extends the backspans with 50% which is more pleasing from an aesthetical point of view.

The fan stay arrangement has the same simplicity as the mainspan which is our preferred option.



BASECASE SIDESPAN



OPTIONAL SIDESPAN







BASECASE SIDESPAN



OPTIONAL SIDESPAN





04 TOWER

SUMMARY – TOWER

The A-tower stands out as the most logical structure for the mainspan, both structurally and aesthetically.

The simple pointiness of the A-shaped tower creates a natural focus point in the landscape and has a strong “signal” effect.

The flared legs below deck feels like the right answer to the horizontal forces that needs to be taken in the deck.

The Pylon is located on Svarvhelleholmen adjacent to the navigational clearance.

This gives us the opportunity to have the tapered legs, standing on a small area on the island and the foundation below the ground covered by rocks.

The preferred OPTIONAL tower is more refined and has a lighthouse beacon on top.

With an elegant lightsceme, the tower will be visible from a great distance at night.

It will visually give the pylon a certain lightness and elegance — an Icon for the link.



BASECASE TOWER



OPTIONAL TOWER







05 LANDINGS



LANDING SOUTH - VIEWING PLATFORM



LANDING NORTH - CULVERT, TUNNEL PORTAL, VIEWING PLATFORM



LANDING NORTH - TUNNEL PORTAL, VIEWING PLATFORM

