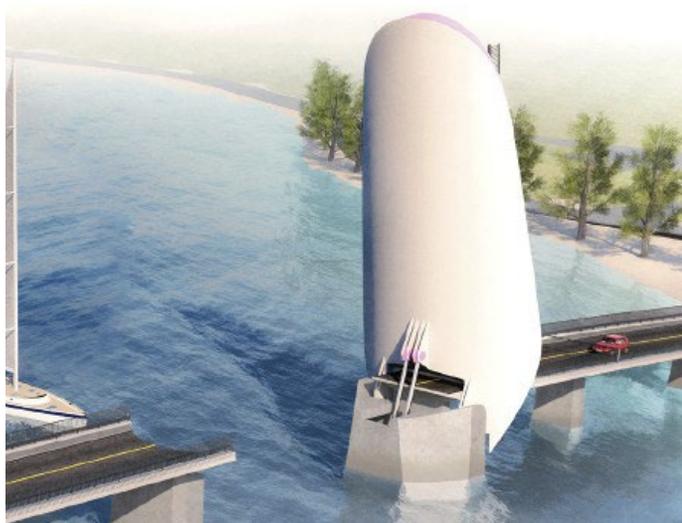




## Swing Bridge Replacement

Swing Bridge Replacement will provide an iconic link with a moving middle span connecting:

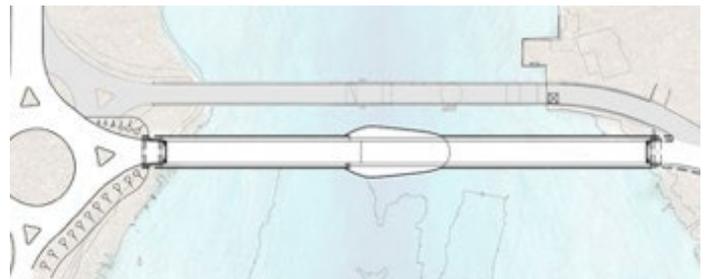
- St. David’s Island, and
- St. George’s Island



*Bascule-type Lifting Span*

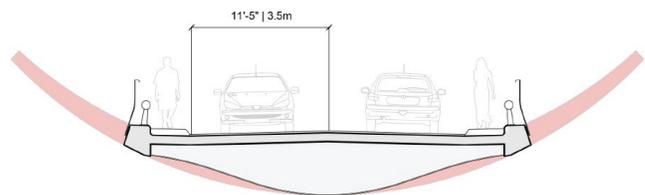
The new bridge will be a **seven-span viaduct** that comprises a single two-lane carriageway with pedestrian walkways on each side and has an **overall length of 155m**. The 30m mid-span, is proposed to be a state of the art **vertical bascule-type lifting bridge** that consists of a main steel

box girder with an orthotropic steel deck with trough stiffeners spanning between transverse diaphragms and is 16 m wide at its maximum width.



*Location*

The approach spans will be comprised of a 10m wide main steel box girder with a composite concrete deck supporting the carriageway. The piers and abutments will be cast-in-situ reinforced concrete.



*Cross-section of Swing Bridge Replacement*