



## ROAM MARINE

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**Project:** Elizabeth Quay Footbridge Arch

**Client:** Leighton

**Contractor:** DASSH

**Year:** 2014/2015

**Project scope:** Arch lift verification



The walkway bridge is held up via 2 42t steel arches 17m tall and spanning over 32m onto the concrete piers. Each arch leans over approximately 65 degrees. The lift was intricate involving a sliding central prop and rotating base. The arch rotates from horizontal up and into position then site welded to the baseplate which is attached to the concrete pier via macalloy hold down bolts. Roam Marine did full verification on lift design.

