

## Case Study – Super T Beam Access

### Background

No Bolt was contacted by the Tulla Sydney Alliance (TSA) to help with an access issue they had when installing Super T Beams.

The Super T Beam (or girder) is used in the construction of bridges. The Super T Beams are transported to site and cranes are used to position the beams. TSA was concerned about a potential fall risk the operator faced when hooking the crane to the beam.

### Challenge

Temporary guard railing was required to protect the operator; however it had to be quick and easy to deploy, lightweight and most importantly safe.

The solution had to be installed from ground level before it was lifted into position and then removed once the Super T Beam was positioned.

The device that locked the guard rails into place needed to be activated from above the beam.

### Solution

We worked in partnership with the TSA's engineers to deliver a solution that was:

- Light weight
- Quick to install and remove
- Reusable
- Strong
- Safe

