

## Maribyrnong River Bridge Pipe Support

A Melbourne water main needed to be added to the truss structure of a bridge over the Maribyrnong river. To facilitate this, FRP support beams were installed onto the existing truss structure to hold a heavy steel pipe.

### Project Challenges

- The beams needed to be able to support a heavy steel water pipe.
- The support beams needed to be positioned into place without a crane or heavy machinery. FRP allowed positioning to be done by hand.
- Needed to be fully engineered and certified by Treadwell to provide peace of mind.

### PROJECT INFORMATION

Project Category:	Pipe support beams
Scope of Work:	Design, engineer and supply of ArchitEX™ structural channels and flat plate combination
Treadwell Products:	ArchitEX™



### Treadwell Solution:

- 1 Highly durable ArchitEX™ structural profiles were customized to the required length.
- 2 Quick turnaround was needed, and stock was readily available.
- 3 FRP is simply fabricated and modified on site. This meant there was no need for any hot works permit.

- 4 Being lightweight and easy to install, FRP was very manageable during site assembly.
- 5 Given the nature of FRP, any system utilising it is virtually maintenance free, thus keeping maintenance costs as low as possible.