

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 & supply FRP structural profiles and flat plates
Treadwell Products:	ArchitEX™ FRP Structural Profiles and Flat Plates



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.