

## Sawdust Bridge Replacement

This old, flood-damaged bridge across Don River in Tasmania needed to be replaced as it had reached the end of its useful life. Installed shortly after the opening of a nearby sawmill, the structure was prone to being impacted by floods and debris floating in the river.

The new bridge was designed as a single span frame, which goes directly from one side to the other. Harnessing prefabrication technology allowed the structure to be built off-site and installed in a matter of hours. Treadwell was engaged to provide the grating for the structure.

### Project Challenges

- Decking would be installed on a curved bridge structure and needed to accommodate the slopes.
- Being in a remote area, the bridge would have to be airlifted by helicopter to be installed, as such, the material had to be lightweight.
- The new bridge had to have a longer lifespan than the old wooden one, as well as require lower bridge maintenance.

### PROJECT INFORMATION

Project Category:	Recreational Public Infrastructure
Scope of Work:	Supply bridge grating
Treadwell Products:	ACCESS SYSTEMS GratEX® FRP Square Mesh Grating

### Treadwell Solution:



1

High performance GratEX® FRP Square Mesh grating was specified in building the structure as a preferred solution over traditional materials.

2

The anti-slip surface is built in during construction of the grating, providing additional safety features for the user.

3

Constructed from specially formulated resins, GratEX® grating is corrosive resistant and is well suited to withstand the outdoor environment.

4

Being lightweight and easy to install, FRP is very manageable during construction.

5

Given the nature of FRP, any system utilising it is virtually maintenance free, keeping maintenance costs to a minimum.

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**ABOUT TREADWELL**

At Treadwell Group, our core business divisions have been developed utilising the latest fibreglass reinforced plastic (FRP) technology. With constant innovation and evolution of our offerings, we grow in competence with each experience in delivering unparalleled solutions to a diversified index of industries which include the water and wastewater, mining, oil and gas, public infrastructure, marine sectors. The progression of our products has been focused on ensuring extended design life in varied applications, enabling us to support our continuing commitment to satisfy and add value to our client's endeavours.

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