

## CASE STUDY

# Silo Farm Bridge



## Overview

Located in Eurobodalla, NSW, it crosses Tuross River, 21 km north of Murphy's Bridge.

- Dimensions: 5 spans of 18.5 x 4.8m wide.
- Contractor: HD Civil
- Client: Eurobodalla Shire Council

## About

The Silo Farm Bridge plays a crucial role in connecting two dairy farms west of Bodalla. However, it faces frequent submersion, especially during elevated river flows in wet weather.

The new Silo Farm Bridge, designed with a higher, larger, and more resilient structure, aims to curb milk wastage, prevent economic losses, and ensure uninterrupted community connectivity despite adverse weather conditions.

## Challenges

In the 2022 flood, dairy farmers faced a significant challenge, resulting in the dumping of 107,097 litres of milk due to restricted access.

The bridge is often submerged due to elevated river flows, creating obstacles for residents, emergency services, and milk trucks accessing dairy farms. This leads to financial losses, disruptions in milk supply, and adverse environmental impacts.

## How We Helped

The new bridge is 1.5 meters higher than the previous one, significantly improving its availability during flood events.

The design includes fewer piers beneath the bridge, allowing for a clearer path for debris during flooding and shorter disruptions for the community, preventing wastage and economic losses.

## Key Project Points

- The bridge, rated SM1600, can support up to 160 tons and has a 100-year design life.
- Constructed using fire-resistant concrete and steel, it's resilient to environmental challenges.
- Essential for community connectivity and preventing economic losses.
- Funded by the Fixing Country Bridges Program, showcasing a commitment to regional infrastructure.
- Rebuilt alongside the existing timber bridge, ensuring uninterrupted road access.
- Silo Farm Bridge closed in December 2023 due to flooding, but no structural damage was reported.

