Summerset Series Bridge

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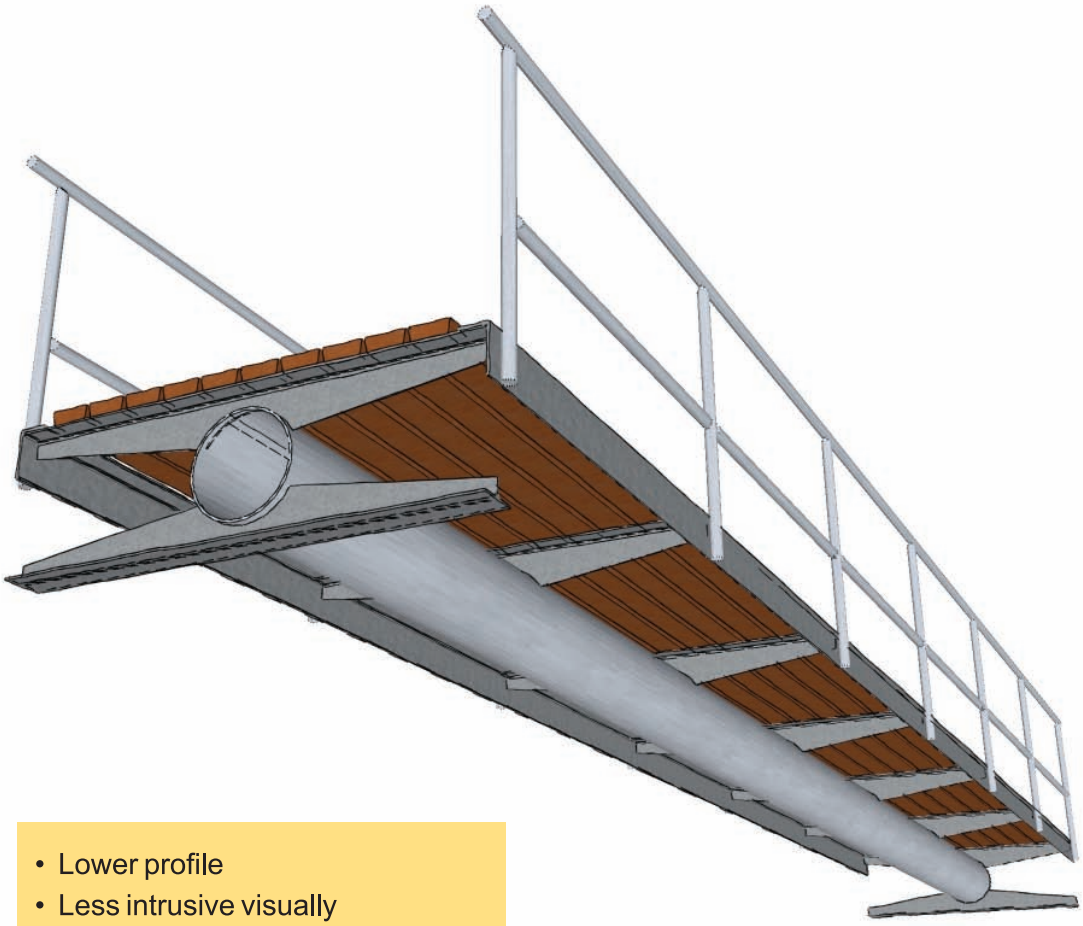


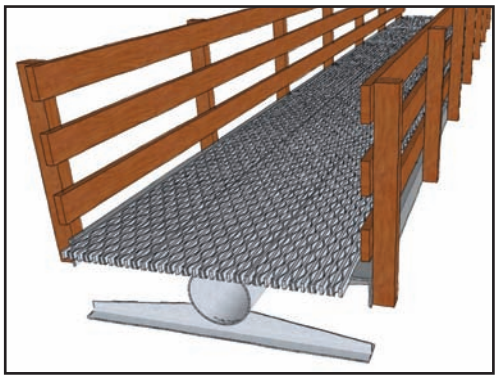
- Lower profile
- Less intrusive visually
- Significant inundation possible
- Tube catches less debris
- Timber or metal decking
- Ideal for span up to 9.0m
- Lightweight & compact
- Intended for difficult locations
- Variety of handrails possible
- Relatively light weight

Some sites are so remote and difficult that they can only be accessed by helicopter. For these (and, of course, less difficult remote walking track applications) **OSA** has developed its Summerset Series bridge. Tube construction results in a lower profile so the abutments can be also be lower and deck can then be closer to stream level. This can make the bridge more aesthetically pleasing. While the shape facilitates galvanizing, the aesthetics can be further enhanced by painting to muted colours if required.

Unlike a universal beam, a pipe has equal strength in every direction. This added strength allows the pipe bridge to be designed to withstand significant inundation. Debris catching cross bracing is not required so its clean, curved lines resist debris build up.

Decking and barriers can be added after locating in position so reducing lift weight. This facilitates handling by helicopter as clean lines and reduced windage also assist safety in handling.

If shipped without barriers installed, up to four or more bridges could be carried on one truck.



The Summerset Series bridge has an efficient, all welded base structure, galvanized inside and out so the hollow spine can be left unsealed thus providing a conduit for services. With this form of construction, the length and width are limited by the size of the galvanizing bath. A longer span can be achieved with a central splice, but 13m is a practical limit to the overall length. The typical bridge is designed to Track type Class 3 (AS 2156.2) requirements for a quadbike or 3 kPa distributed live load.
It is possible to upgrade to the more rigorous Austroads loadings. Decking can be chequer plate, timber transverse or longitudinal, aluminium grillage transverse or longitudinal, steel grating transverse or longitudinal or fibreglass grillage.

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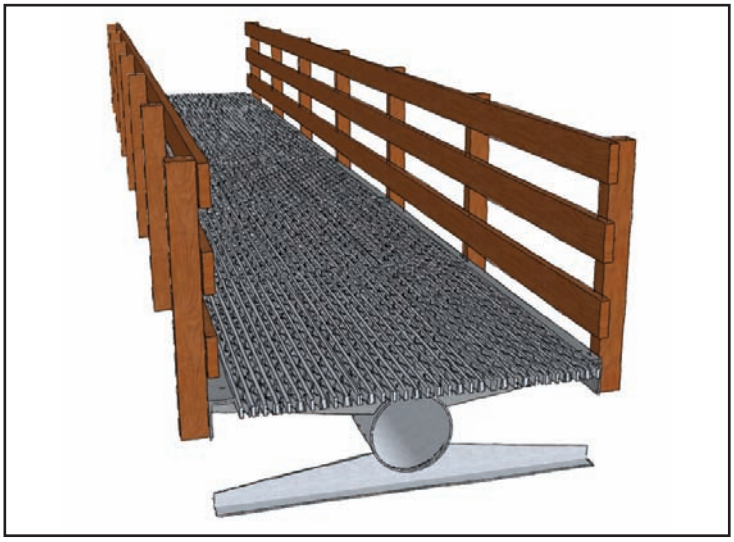
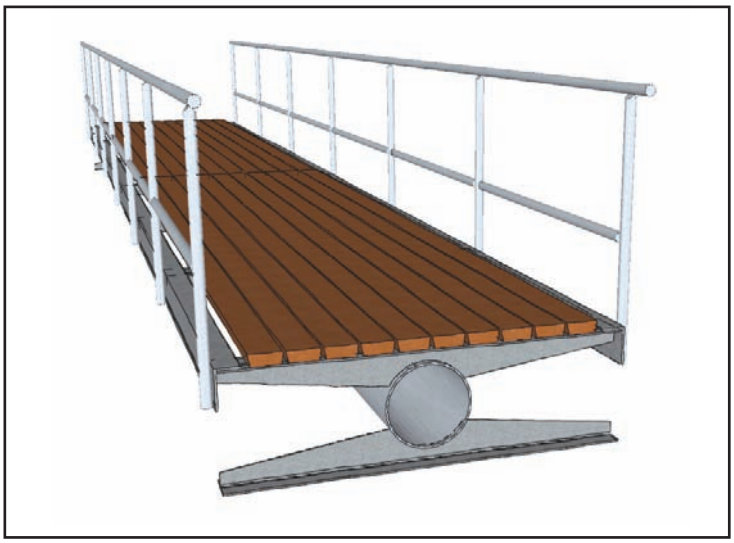


Barrier Type H1
with Aluminium Decking



Barrier Type S2
with Deckwood Decking

Barrier Type S2
with Fibreglass Composite Decking

Some of the possible handrail and decking configurations.