

# Piling on support for the Port River Expressway.



**PROJECT**bulletin

# Smart Steel Hollow Sections

Orrcon's Intelligent Construction Solutions

Photographs courtesy Department for Transport, Energy & Infrastructure

**PROJECT**bulletin

## QUICKfacts

Project	Port River Expressway Stages 2 & 3
Contractor	Abigroup Contractors Pty Ltd
Designers	Hardesty & Hanover Dare Sutton Clarke Maunsell Australia
Structural Engineers	York Civil
Fabricators	Samaras McKechnie Foundary Falk Bianco GK Structures
Product	Orrcon Smart Steel Hollow Sections: Large Spiral Welded Pipe 900mm OD



**The Port River Expressway is designed to provide superior access to Port Adelaide's Outer Harbor, by allowing road and rail transport to bypass the area's central business district. Integral to the Expressway are 2 x 40 metre, single span bridges which open over the Port River. Abigroup relied on Orrcon Smart Steel Hollow Sections to provide the solid foundations to support these bridges.**

Mr. Philip Basile, Construction Manager for Abigroup, the contractor for Stages 2 and 3 of the Expressway, said "There are not many opening bridges in Australia – although there is another in Port Adelaide that is still operating and was opened in December 1940."

With the river bed 11 metres below the surface of the Port River, suitable piles had to be driven 20 metres into the bed to provide the foundations for the bridges to be built upon.

Orrcon supplied 900mm OD spiral welded pipe 13 to 18 metres long that were end joined on site to the required lengths, before being driven into the river bed.

"Once each pipe was driven into the Hindmarsh clay river bed and filled with concrete, construction of the bridge superstructures commenced", Mr Basile said.

As part of Orrcon's quality assurance, staff travelled to Shanghai to inspect the supplying mill, and establish its ability to produce pipe on time and within Orrcon's strict guidelines, and the client's specifications.

Orrcon Smart Steel Hollow Sections used successfully in the Port River Expressway Stages 2 & 3 foundations reflect Orrcon's commitment to the building and construction industry, and ability to meet exacting requirements in quality, production and delivery.

For more information, give Orrcon a call on 1300 665 757.



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