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PROJECTbulletin

Smart Steel Hollow Sections

Orrcon's Intelligent Construction Solutions

PROJECT bulletin

QUICK facts

Project	Inner Northern Busway Section 5B
Contractor	Clough-Seymour Whyte Joint Venture
Architect	Hassell
Structural Engineer	KBR
Fabricators	Pipe Curving: Rollpress Fabrication: Gay Constructions Bracing Steelwork: Skyline Steel Fabrication
Orrcon Mills	Wollongong & Brisbane
Product	Orrcon Smart Steel Hollow Sections: Pipe sized 65mm NB to 323mm OD



An arched busway through a sunken roadway adjacent to a golf course was an architectural challenge, requiring a unique blend of aesthetics and functionality. Creative use of Orrcon Smart Steel Hollow Sections in Section 5B of Brisbane's Inner Northern Busway successfully met this challenge.

To meet the architect's exacting design requirement for long spanning curves, the project needed a range of structural pipe sizes up to 323mm OD in single lengths to 23 metres, capable of being cold bent. Orrcon's Wollongong Mill rolled around 150 of the main arch tubes in lengths of between 7 and 23 metres, which were transported by road and rail to Brisbane for curving and hot dip galvanising.

Orrcon's ability to produce these precise and extreme lengths resulted in minimum waste, reduced fabrication and transport costs, and an overall reduction in construction time.

The 65mm NB pipe used to cross brace the structure was manufactured at Orrcon's Brisbane Structural Mill. Once the busway was constructed, a special mesh was fitted to protect traffic and passengers from wayward golf balls from the neighbouring Victoria Park Golf Club.

Utilising Orrcon's Smart Steel Hollow Section thinking, the Brisbane Inner Northern Busway Section 5B successfully accommodates the public transport needs of the area, combining both functionality and visual appeal.

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



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