

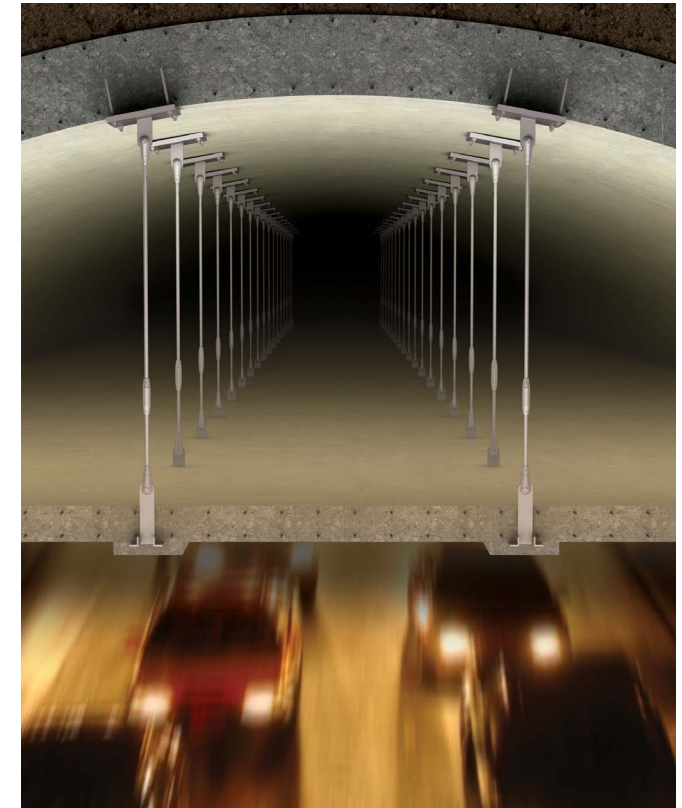
Slab suspension in a bypass tunnel

Brisbane, Australia

The CLEM7 Tunnel, known as the North-South Bypass Tunnel during construction, is a toll road built under the Brisbane River. It includes two 4.8 kilometres twin-lane tunnels which bypass the city's central business district and serve to reduce

congestion significantly.

In addition to being the longest road tunnel in Australia, it is also the most advanced with many safety features. In the event of a fire or explosion, a high-tech ventilation system comprising 100 jet fans will rapidly extract smoke to a longitudinal duct high above the road deck. A stainless steel suspension system holds the immense concrete slabs which form the duct. In addition to the suspension system, 33,000 light gauge stainless steel posts support the architectural lining around the tunnel walls.



Details

Environment:	Coastal
Fabricator:	Ancon, Sheffield, UK
Stainless steel grade:	EN 1.4462 (22% Cr 5% Ni duplex stainless steel)
Product type:	Bar
More information:	ancon.co.uk