

IBR claims an Immersed Tunnel will be twice the cost of a High Bridge, \$1.64 - \$2.45 billion bridge & approaches.

Columbia River crossing is 2,700 feet.

Antwerp at 4,200 feet, 50% longer, is building a 6-lane & bike path Immersed Tunnel for \$680 million.



China just opened a 6-lane 3-mile immersed tunnel.  
It was built in 4 years.

One fourth as long at 0.75-miles (0.5 river crossing + 0.25 ramps) an I-5 immersed tunnel is right-sized, faster to build, less costly, with environmental benefits.

Undersea road tunnel opens to traffic in China's Dalian

<https://www.chinadailyhk.com/article/328690#Undersea-road-tunnel-opens-to-traffic-in-China's-Dalian>





# GLOBALink | Undersea road tunnel opens to traffic in China's Dalia



DALIAN, May 2 (Xinhua) -- An undersea road tunnel opened to traffic on Monday in Dalian, a coastal city in northeast China's Liaoning Province.

The tunnel, accommodating a two-way six-lane urban expressway beneath Dalian Bay, is the first immersed tube undersea tunnel in north China, said Sun Zhu, deputy chief engineer of Dalian Bay Undersea Tunnel Co., Ltd., which is in charge of building and operating the tunnel.

The designed traffic speed in the 5.1-km tunnel is 60 km per hour, said Sun. Construction of the tunnel took some four years.

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