

Project identification

Marieholmstunnel, Gothenburg, Sweden

Type of project

Detailed Design of the immersed tunnel



Client

JV Marieholmstunneln (Züblin - Boskalis)

In co-operation with

Arup, Centerlöf & Holmberg

Project assignment

Detailed Design of the immersed tunnel part of the crossing (permanent civil works)

Country

Sweden

Location

Gothenburg

Project duration

2014 - 2016

Project phase

Detailed Design

Construction cost

SEK 2.0 billion
(excl. VAT)

Consultancy fee

EUR 1,150,000
(excl. VAT)**Office**

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Project description

The Marieholm Tunnel in Gothenburg is a road tunnel with three lanes per direction and a central gallery. The tunnel consists of an immersed tunnel section with cut & cover tunnel and open ramp sections at both ends. The immersed tunnel section crosses the Göta Alv river, measures 306m in length and is made up of 3 tunnel elements of equal length.

The tunnel elements will be fabricated in a construction dock at the Marieholm-side of the crossing, within the alignment of the tunnel. The construction dock has room for a single tunnel element which requires the dock to be used 3 times for the IMT after which the cut & cover tunnel can be realised at that side of the crossing.

The tunnel elements will be segmented and will be placed in a dredged trench on a sandflow foundation.

Scope of work

Permanent civil works for the immersed tunnel section of the project:

- Preliminary Design
- Final Design
- Detailed Design