

Project identification

Bored tunnel Antwerp

Type of project

Bored tunnel for cables and pipelines



Client

BAM NV

In co-operation with

SWECO

Project assignment

Preliminary design, final design, advisory work and back office upon construction

Country

Belgium

Location

Antwerp

Project duration

**2014-2015 design
2016-2017 execution**

Project phase

Completed

Construction cost

**€ 15.000.000,-
(excl. VAT)**

Consultancy fee

**€ 700.000,-
(excl. VAT)**

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Project description

For the expansion and relocation of the existing ring around Antwerp in total 4 bored tunnels for cables and pipelines are constructed to make possible the relocation of the existing highway to below ground level. The bored tunnels have the following specifications:

Location	Groenendaallaan	IJzerlaan	Schijnpoort
Type	single	single	double
Length	175 m	260 m	220 m
Diameter start shaft	15 m	15 m	25 m
Diameter end shaft	10 m	10 m	20 m
Outer diameter tunnel	4,1 m	4,1 m	4,1 m
Top point tunnel	20m below ground level	25m below ground level	25m below ground level
Bottom point shaft	25m below ground level	30m below ground level	30m below ground level

Scope of work

TEC parent company Witteveen+Bos is responsible for Civil and Structural works:

- Preliminary design and final design
- Structural calculations and drawings
- Geotechnical calculations
- Tender documents
- Cost estimates
- Advisory and back office upon construction