



Bilbao metro line two gets support

The Ariz-Basauri stretch of Bilbao's metro forms the end of Line Two, and was constructed as part of project's fourth phase.

There are two stations constructed in this section, Ariz and Basauri, located at the focal points of the population centres in the municipality of Basauri.

Each of them has two entrances, as is standard in Bilbao metro stations.

The substantial differences between the entrances in terms of length and vertical level are due to the orography of the municipality, the urban spread of which extends up the slope mountain on its southern side.

The longitudinal profile, in turn, is designed to bring the stations closer to the surface, bearing in mind geological constraints, so as to reduce the length and difference in level of the entrances and avoid giving the public the feeling of being stifled underground.

Scope

The EUR 66.86M (USD 82.7M) section of line in Ariz-Basauri is 2,372m long, with the tightest curve having a radius of 250m. The maximum gradient is 5.5 per cent to span paleo-thalweg and pass below an existing rail trench. The cross sections of the tunnels are 57m² for straight running

An in depth look at the varying support systems used on the Ariz Basauri section of Bilbao metro line two and how the methods reacted to the changing ground conditions. Spanish contractor for the project Ossa gives this report

tunnels and 62m² on a curve. Station caverns are 188m². Work began in December 2006 and was completed in November 2011.

Parties

The Department of Transport and Public Works of the Basque Regional Government is the client, and awarded the project to contractor Ossa. Euroconsult is the

The San Anton Bridge in Bilbao



Vital statistics

Name: Bilbao Metro Line Two Ariz-Basauri

Type: Metro

Length: 2,372m

Section: 57 or 62m²

Value: EUR 66.86M (USD 82.7M)

