





Swiss Federal Railways SBB



## Person in charge

Works Management (DL): Roberto Iemmoli, Pini Swiss – Anastasi – Taddei For SBB: Mr. Christian Jenzer



# **Designers**

Swiss Federal Railways SBB



## **Company**

In consortium, CSC 36% lead contractor
With MMCostruzioni SA for technical
management (DT) and Implenia SA for works
management (DC)



## **Work duration**

01.2022 - 12.2025



## Type of contract

Construction contract



#### **Contract amount**

CHF 17,030,062.60 (excluding VAT)



### **Description of works**

The new Besso pedestrian underpass is planned as part of the StazLu Module 3 project. It generally maintains the function and purpose of the existing structure while improving its capacity, access to the city and the SBB station, as well as to the new bus terminal with P+R parking and the future tram-train connection. The project also includes the creation of a restaurant and commercial premises inside the new underpass. Preparatory works for the underpass affected several areas of the station, including the construction of the temporary bridge necessary for TPL bus traffic, carried out by CSC SA.



#### **Project features**

This contract provides for:

- The construction of 4 temporary bridges at the location of the 4 tracks in the station, to ensure the regular passage of trains during the construction of the underpass.
- The relocation of a historic building with subsequent repositioning at its final location.
- The construction of soil retaining structures using micropiles and steel structures required for excavation works.
- · Narrow-section excavations with shoring.
- The construction of reinforced concrete structures with type 4.4 formwork, according to the specific plans of the architectural designer.
- The underpass passing beneath the footprint of Via Maraini Lugano, without any total interruption of road traffic.
- Staircases and access points on the east and west sides of the station, namely from Via Besso and the Bertaccio Park.

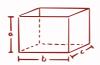


### Main quantities



Excavations in loose soil: 25,120 m³

PE-HD/LD lining pipes: 5,550 m



Concrete: 6,140 m<sup>3</sup>

Mixed demolition materials (loose): 17,200 t



Formwork: 14,200 m<sup>2</sup>

Micropiles: 12,440 m