



Tunnel de Chauderon et Criblette (CH) Rehabilitation

Country	Switzerland
Type	Road Tunnel, Rehabilitation
Client	ASTRA, Filiale Estavayer-le-Lac
Main Contractor	Consortium CCC (Walo, Infra Tunnel, Rothpletz Leinhard, Deneriaz, JPF, Weibel)
Execution of the work	Renesco AG
Construction Period	2024-2026

Project Description

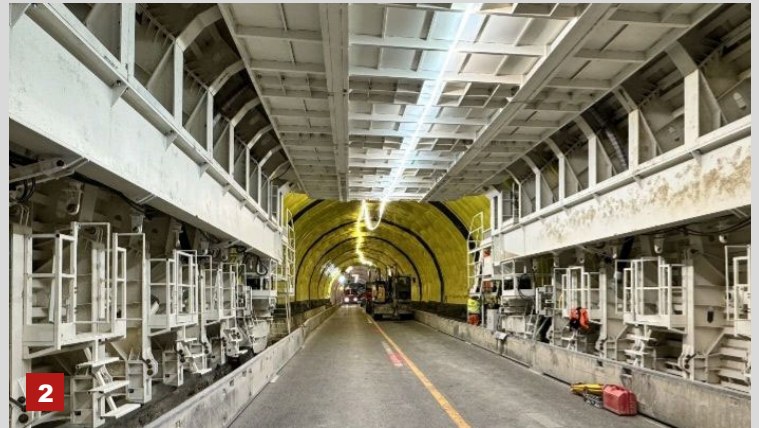
The project includes the renovation of a section of the A9 autoroute du Léman between Lausanne and Vevey. Subproject 4 of the Vennes-Chexbres section includes numerous bridges, a large number of supporting structures and the two tunnels Chauderon (200m) and Criblette (300m).

The project includes structural repairs, noise abatement and structural measures to upgrade the section in terms of environmental and safety aspects. The two double-tube tunnels Chauderon and Criblette were built around 1970 without any external sealing measures.

Scope of Service

Supply and install of the waterproofing system according to SIA 272 (Swiss standard).

- Sealing of the tunnels
- Umbrella seal (270°, crown and sidewall), drained
- Sheet waterproofing, 2.1mm PVC-P, with signal layer
- Protection geotextile, 900g/sqm polypropylene (PP) and drainage layer with high flow rate acc. to EN ISO 12958 $>10^{-4}$ m/s at 200 kN/m² (Neat)
- Termination tapes/strips
- Water barriers
- Drainage system incl. drainage profile



1. Inner Liner, Rehabilitation
2. Form Work
3. Waterproofing of the tunnel inner liner