

GOTTHARD BASE TUNNEL – Facts & Figures

Opening ceremony	01.06.2016
Entering into service of tunnel	11.12.2016
Length of tunnel	57 km (35.4 miles) → longest train tunnel in the world
Beginning and end of tunnel	Erstfeld (Canton Uri) and Biasca (Canton Ticino)
Total length of entire tunnelling system	151,840 km (94.3 miles)
Maximum rock overlay	2300 m (7545 feet)
Travel speed inside tunnel	Max. 249 km/h (154 miles/h)
Travel speed outside tunnel	Max. 249 km/h (154 miles/h)
Travel time through tunnel	ca. 17 minutes
Construction company	AlpTransit Gotthard
Total volume of excavated material	28.2 million tons
Total cost	CHF 12.2 billion
Persons employed, including engineers, geologists and other specialists	2600
Personnel trained by Swiss Federal Railways (SBB)	3900
Total trains through the Gotthard Base Tunnel daily	50 passenger trains 160 cargo trains
Operator	Swiss Federal Railways (SBB)
Number of nationalities involved in the construction	More than 10
Predicted Gotthard traffic growth	2015: 9000 passengers daily 2021: +67% (15,000) 2025: +100% (18,000)

Connections

Tickets for Gotthard routes	Whether for the Gotthard Base Tunnel or the Gotthard panoramic route, the ticket price is the same. Both are included in the Swiss Travel Pass and Eurail.
Offer Gotthard panoramic route	Hourly connections from Basel and Zurich to Erstfeld, then connecting train to Canton Ticino. Some trains direct to Milan Central.
Connections to Locarno	To Locarno from Basel and Zurich – no longer any direct connections. But there are connections from Bellinzona for trains travelling through the Gotthard Basis Tunnel.
Daily	<ul style="list-style-type: none"> • Every 2 hours EC Zurich-Milan • Every 2 hours IC Zurich-Lugano • Every 2 hours IC Basel-Lugano • NEW: 1 EC train Zurich-Venice • NEW: 1 EC train Basel-Lucerne-Milan Additional trains at weekends (mornings and evenings)

Saving in travel times with the Gotthard Base Tunnel (2016) and the Ceneri Base Tunnel (2020)

Route	Until 10.12.2016	As of 11.12.2016	Savings	As of Dec. 2020 (goal)	Savings
Lucerne – Lugano	2h 32min	2h 01min	ca. 30 min	1h 40min	ca. 50 min
Basel – Lugano	3h 46min	3h 15min	ca. 30 min	2h 52min	ca. 50 min
Zurich – Lugano	2h 41min	2h 16min	ca. 30 min	1h 53min	ca. 50 min
Geneva – Lugano	5h 35min	5h 05min	ca. 30 min	4h 49min	ca. 45 min
Lucerne – Bellinzona	2h 07min	1h 30min	ca. 30 min	1h 23min	ca. 45 min
Zurich – Bellinzona	2h 16min	1h 46min	ca. 30 min	1h 36min	ca. 45 min
Lucerne – Locarno	2h 55min	2h 25min	ca. 30 min	2h 10min	ca. 45 min
Lucerne – Milan	3h 55min	3h 25min	ca. 30 min	2h 48min	ca. 60 min
Zurich – Milan	4h 03min	3h 33min	ca. 30 min	3h 03min	ca. 60 min

Facts & Figures on the existing Gotthard panoramic route

Entering into service of Gotthard summit tunnel	1882
Length of Gotthard summit tunnel	15 km (9.3 miles) → 1882 world's longest train tunnel
Beginning and end of tunnel	Göschenen (Canton Uri) and Airolo (Canton Ticino)
Travel speed on the Gotthard panoramic route	ca. 62 km/h (39 miles/h) passenger trains
Operator	Swiss Federal Railways (SBB)

