



Statens vegvesen
Norwegian Public Roads
Administration




Velo-City 2017, Arnhem–Nijmegen

Crossing Norwegian Fjords by Bike on Bridges and through Tunnels

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Norwegian Public Roads Administration





The Høgsfjord, Rogaland County

Norway



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- ✦ **83 000 km** coastline, including fjords and islands
- ✦ **323 800** square km
- ✦ **1 190** fjords
- ✦ Dominated by mountainous or high terrain
- ✦ **19** Counties and **428** municipalities
- ✦ Population Norway: **5.27** million
- ✦ **1 176 tunnels** (32 below sea level)
- ✦ **17 500 bridges**
- ✦ **130 ferry connections**



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National and European Cycling Routes in Norway

- Norwegian Public Roads Administration (NPRA) cooperate with counties and municipalities
- 10 National Cycling Routes, 6 EuroVelo
- 4500 km signposted
- Registered in national databank
www.vegvesen.no/vegkart
- Information:
<http://www.vegvesen.no/traffikkinformasjon/Syklist/Kart>
English: <http://www.vegvesen.no/en/traffic/cyclist/maps>





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How to cross the fjords

- Boats and Ferries
- Bridges
- Tunnels
- Projects: Under sea level
Tube Bridges?



Photo: Marit Espeland



Nappstraum tunnel 1780 m, Lofotens ilands, Nordland County

National Cycling Route 1 / EuroVelo 1



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62 meter below sea level, cycling permitted

Photo: Marit Espeland



Road with raised road shoulder in the Nappstraum tunnel



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Fjøsdaalen tunnel 1646 m, Nordland County

Road E10, National Cycling Route 1 / EuroVelo1



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Cycling permitted in the tunnel, but signposted outside of the tunnel





National Cycling Route 1 /EuroVelo 1

Cycling on road shoulder 50 cm



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Road E10, Nordland County. Avalanche Protection Gallery.

Photo: Marit Espeland



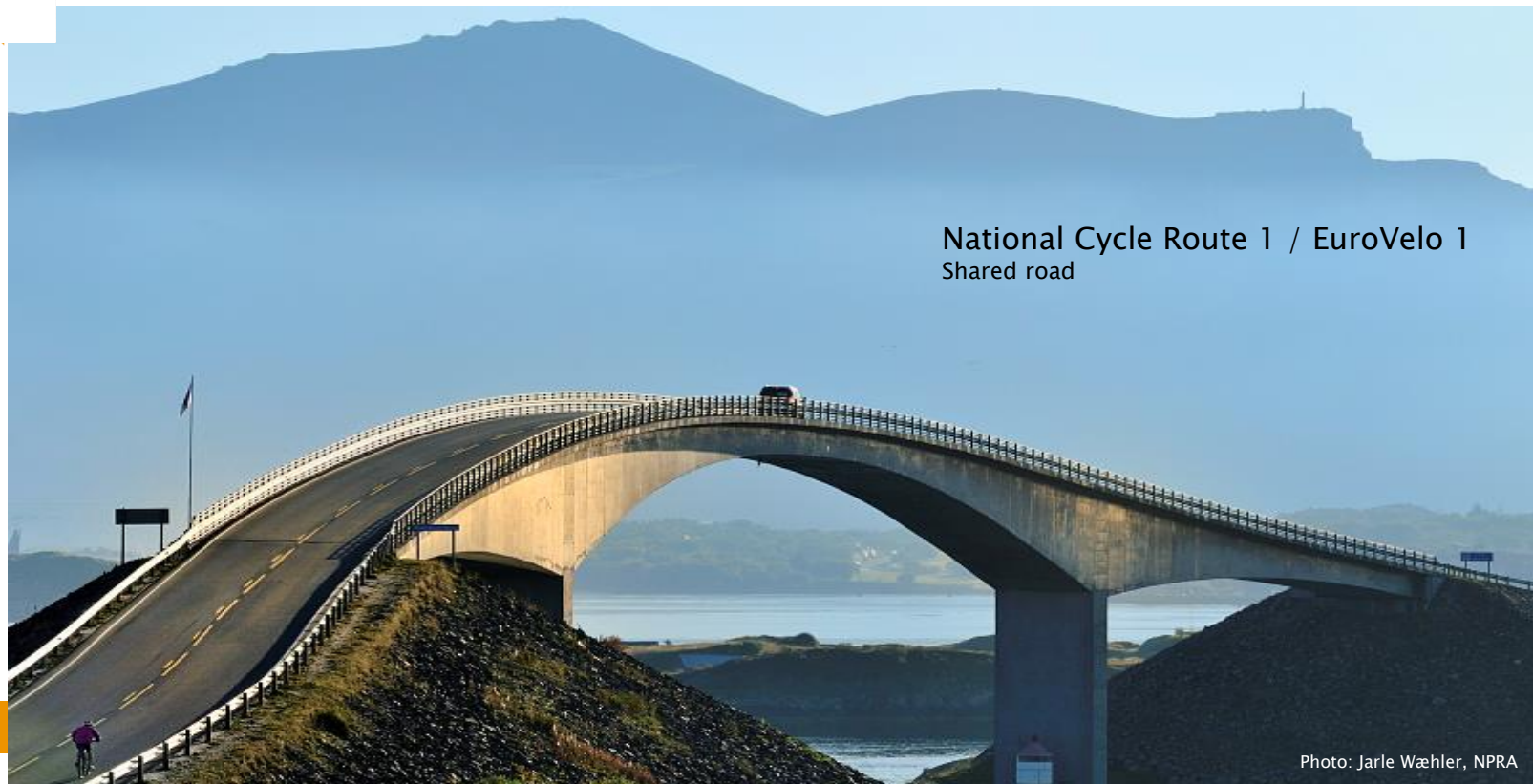


Storseisund Bridge 260 m, Møre & Romsdal County, Atlanterhavsvegen, Scenic Route



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National Cycle Route 1 / EuroVelo 1
Shared road

Photo: Jarle Wæhler, NPR



Hulvåg Bridge 208 m, Møre & Romsdal County, Atlanterhavsvegen, Scenic Route

National Cycle Route 1 / EuroVelo 1
Shared road



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Photo: Kjetil Rolseth



Myrbærholm Bridge 87 m, Møre & Romsdal County, Atlanterhavsvegen, Scenic Route

National Cycle Route 1 / EuroVelo 1
Shared road



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Photo: Grete Kongshaug, NPRA

Alverstraumen Bridge 198 m Suspension bridge

- Crossing Radsundet / Kverna fjord, Hordaland County
- National Cycle Route 1 / EuroVelo 1
- From 2-way road to 1-way

-> Cycle / pedestrian path



National Cycle Route 1 / EuroVelo 1
Cycle/pedestrian path



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Haglesund Bridge, 623 m, suspension bridge

National route 1 / Eurovelo 1, cycle/pedestrian path



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Osterfjord, Hordaland County

Photo: Marit Espeland



Norhordlands Bridge, 1610 m, floating bridge

National route 1 / Eurovelo 1, Cycle/pedestrian path



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Osterfjord, Hordaland County

Photo: Marit Espeland





Storda Bridge 1078 m and Bømla Bridge 999 m crossing Sagvågsfjord, Rogaland County



National Cycle Route 1 / EuroVelo 12
Cycle/pedestrian path

Photo: Norwegian Public Roads Administration

Hardanger Bridge 1310 m, suspension bridge Hordaland County



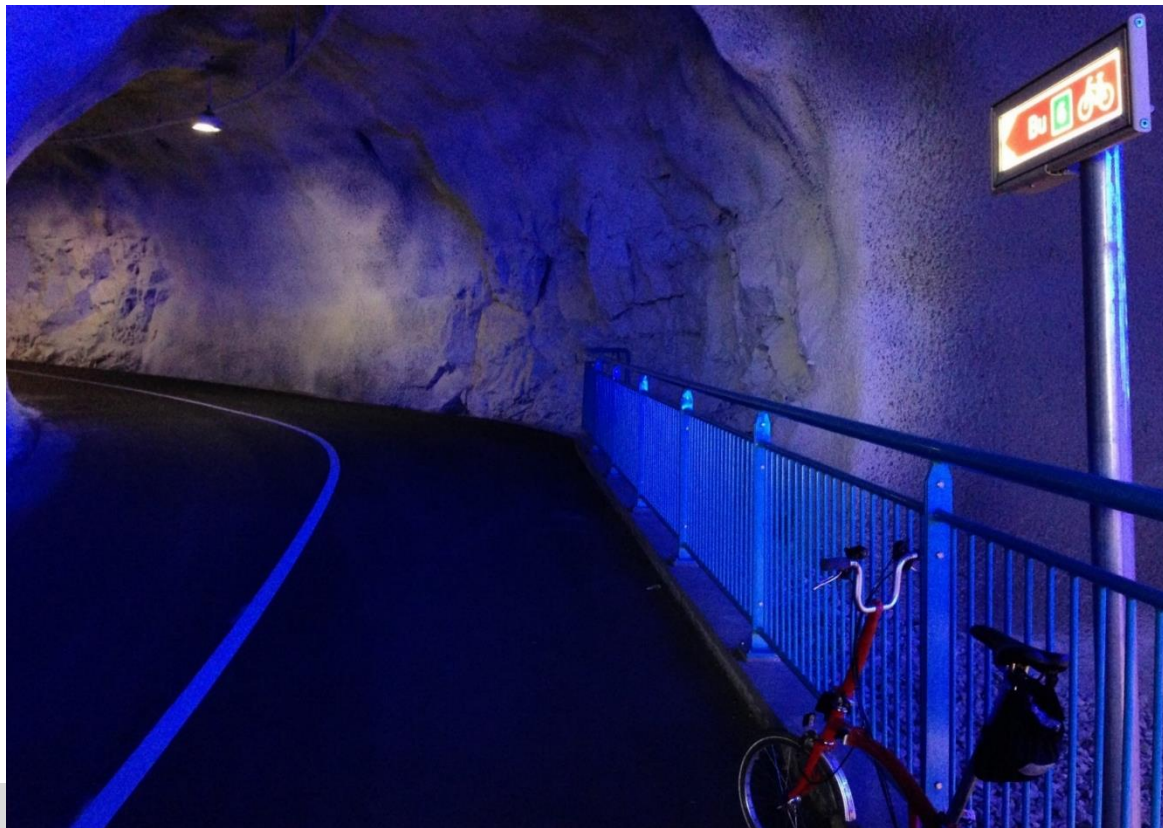
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Photo: Marit Espeland

National Cycle Route 6 crossing Eidfjord, cycle/pedestrian path

Cycle/pedestrian tunnel connected to Hardanger Bridge



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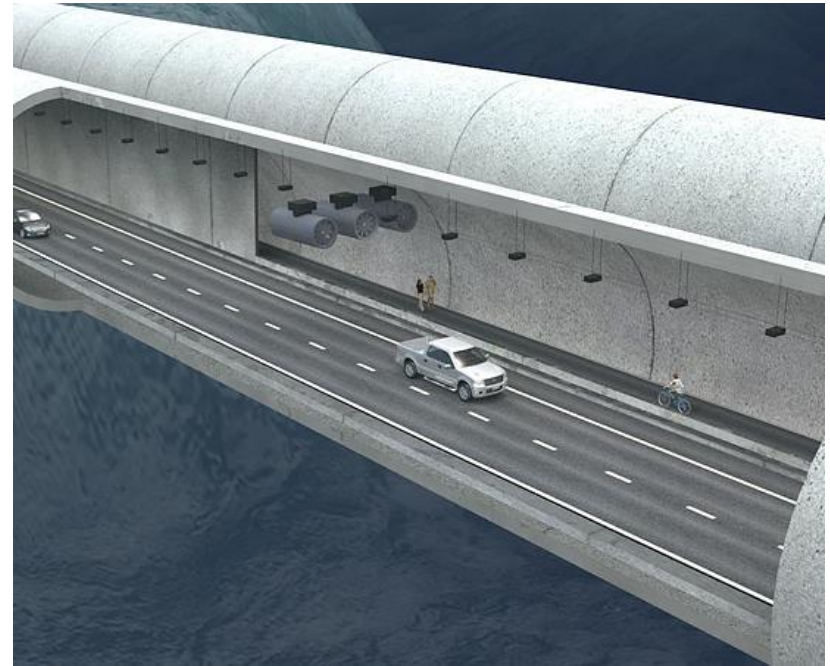


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Undersea Level Tube-Bridge

- The E39 Coastal Highway Route, 1100 km Trondheim–Kristiansand
 - Project Ferry-free E39
 - Concept for The Sognefjord and 3 other fjords

<http://www.vegvesen.no/vegprosjekter/ferjefriE39>



Photo/Illustration: NPRA/ViaNova



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