

SIKA AT WORK



# NØSTVEDT TUNNEL NORWAY

ROAD TUNNEL

BUILDING TRUST







## NØSTVEDT TUNNEL NORWAY ROAD TUNNEL

The tunnel is part of the last E6 project lot that will complete a continuous four lane highway between Oslo and the Swedish border. E6 is the main entrance road to Norway for all traffic coming from Sweden, Denmark and further south. The traffic burden is approximately 30.000 cars daily with an estimated increase to 45.000 cars in 2015. When completed, the tunnel is 3.7km long and is going under the historic Nøstvedt farm. On this site, remains from early settlements have been found, dating back to 5000 - 4000 BC. The remains of this fishermen and hunting community that was living in the region was given the name Nøstvedt-culture or Lihult-culture in Sweden, thus giving the tunnel its name.

### Sika Solutions:

Sika provided admixtures and fibers for the concrete tunnel lining segments, including customer support, both at the precast factory and on site. Sika participated in trouble solving in addition to quality control. The titaniumdioxide pigments supplied by Sika gave a very satisfying result, giving the concrete segments a bright appearance without using white cement.

### Construction Period:

September 2006 – September 2009

### Products:

- Viscocrete PC-30
- Sika AER
- Crackstop 6mm PP microfiber
- Sika-Titandioxid
- Closed cell backer rod
- Sikaflex 15 LM
- Sikaflex Construction
- SikaWrap

**Project cost:** 1318MNOK

### Project Participants:

Owner: Norwegian Public Road Administration  
Contractors: Mika, Bygg- og Anleggstjenester, R-Bygg  
Concrete producer: Unicon (fresh) and Spenncon (segments)

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