

Project:

E18 SYDHAVNA BRIDGE EXTENSION

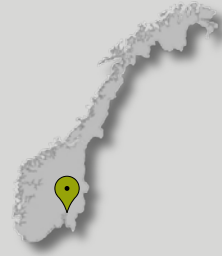
LOCATION:
Oslo, Norway

YEAR:
2014-2015

CLIENT:
AF Anlegg/Aas-Jakobsen

SCOPE/PHASE:
Pre-engineering and building plan

PROJECT RESPONSIBLE:
Simon Grøterud (sgr@olavolsen.no)



PROJECT DESCRIPTION:

Because of new area protection rules, the E18 Mosseveien road was laterally extended by a 130 m long «half-bridge» solution along the south-east bound railway. The original solution included extensive challenges related to construction work close to the railway with challenging security measures. Dr. techn. Olav Olsen prepared on assignment from AF Anlegg an alternative solution based on a rotated transverse suspension system and the use of pre fabricated elements to avoid the use of scaffolds. Using cantilevers and a specially developed piling solution that transferred vertical loads to the ground below railway level made sure that uncertain ground in the intersection against the railway was not loaded.

