Multiconsult

04_TRANSPORTATION AND INFRASTRUCTURE

E18 corridor in Asker

Local authority subplan with impact assessment, E18 Slependen–Drengsrud

The Nesbru crossing E18 Asker | Ill.: Lumion | Multiconsult

Preparation of a local authority subplan with impact assessment for eight kilometres of four- to six-lane motorway and a new parallel/main collector road.

Plans call for a separate bus lane and main cycle lane along the corridor. In association with the bus lane, a new bus terminal providing increased capacity is planned at Asker Station. The assignment also includes the northern part of the Røykenveien road and solutions for connecting the Slemmestadveien road.

This is primarily an environmental project which will lay the basis for an improved transport system, with the focus on public transport and cycling along the corridor and with urban development around the public transport hubs. It will reduce barrier effects, noise and local pollution.

PROJECT
E18 corridor in Asker

PROJECT TYPE
Local authority subplan with impact assessment

LOCATION
Asker local authority

CLIENT
Norwegian Public Roads Administration, eastern region

TIME PERIOD
2012 - 2014

KEY NUMBERS
Eight kilometres of motorway with associated bus and main cycle lanes

SCOPE OF WORK

Internal coordination meetings were held regularly with all technical disciplines.

Regular project meetings were held with the Norwegian Public Roads Administration and Asker local authority.

Involvement by and information to affected parties were secured through contact-group meetings.

Cross-disciplinary 3D design in the early phase.

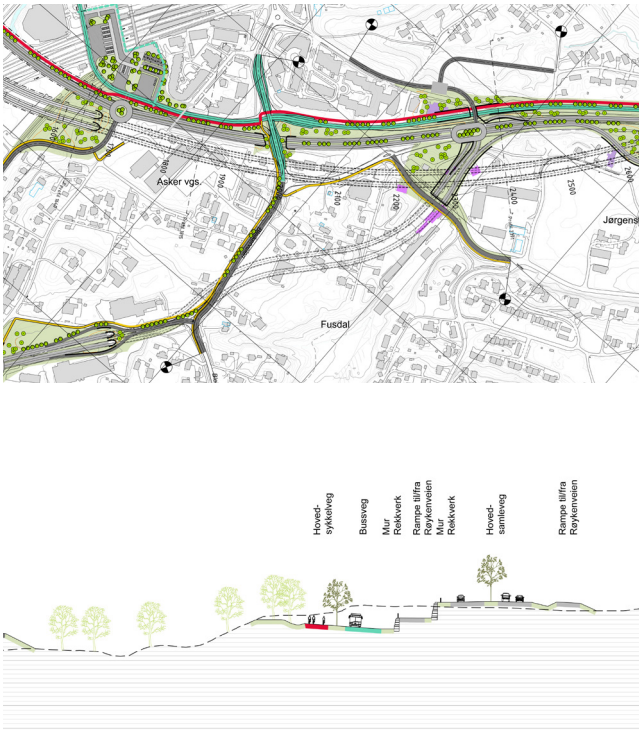
OUR SERVICES

- Road design
- Landscape plans, including cross-sections
- 3D structural engineering
- Soil surveys
- Noise and air quality assessments
- Cross-disciplinary 3D model, Infraworks and Lumion
- Impact assessment
- Local authority subplan with plan description
- Technical/economic plan
- Aimsun traffic model

DISCIPLINES

- Highway engineering
- Landscape
- Structural engineering
- Geotechnology
- Rock engineering
- Acoustics
- Area plan
- Traffic

The Holmen crossing bird's eye view | Ill .: Lumion | Multiconsult



Top: Fragmentary illustration plan by Asker center and Fusdal | Illustration: Multiconsult
Buttom: Landscape Cut the profile 1640 | Illustration: Multiconsult