



# Rv. 22 Crossing Glomma

## Feasibility study



*Skråstagg Bridge aligned at line D | Illustration: Multiconsult*

Rv. 22 is a very important east-west regional transport route in the border between urban and rural northeast of Oslo. There have been capacity problems on Hwy. 22 between Fetsund bridge and Lillestrom many years. A solution with four lane road from Lillestrom and over Glomma at Fetsund will solve this problem.

The study Multiconsult has done has looked at various routes and bridge solutions to cross the river Glomma. The study included 17 different corridors. Overall it is viewed 8 bridge crossings and two tunnel crossings. To each of the bridge crossings it was shown two alternative solutions. The bridge solutions are ranging from girder bridges, truss, bracing bridges, connecting bow bridges and suspension bridges.

PROJECT	PROJECT TYPE	LOCATION	CLIENT	TIME PERIOD	KEY NUMBERS
Rv. 22 - Crossing Glomma	Feasibility study	Fetsund, Akershus county	State Highways Authority Eastern Region	2011 - 2012	530 - 2.340 MNOK

## SCOPE OF WORK

The purpose of the study was to find good traffic engineering and efficient bridge solutions to cross Glomma.

The corridor assessments have been made of traffic and traffic management for both local traffic and through traffic.

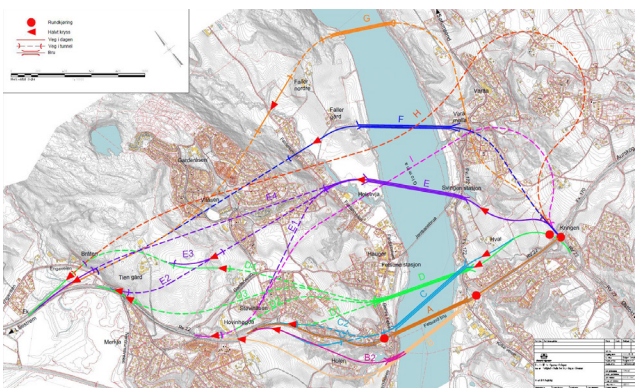
For the corridors are also properties and arable land that will be affected considered. For the bridge solutions it is considered type, foundation conditions, aesthetics, conflict with conservation heritage along Glomma, construction methods, operating and investment costs and allow for a phased development.

## OUR SERVICES

- Bridge planning
- Establishment of the road alignment
- Geotechnical engineering
- Risk assessment
- Sketch Projects of bridge alternatives
- Collages
- Video

## DISCIPLINES

- Construction
- Road
- Geotechnical engineering
- Landscape
- Architect



Top: Overview of crossing options | Ill.: Multiconsult  
Bottom: Connecting bow bridge at line E | Ill.: Multiconsult