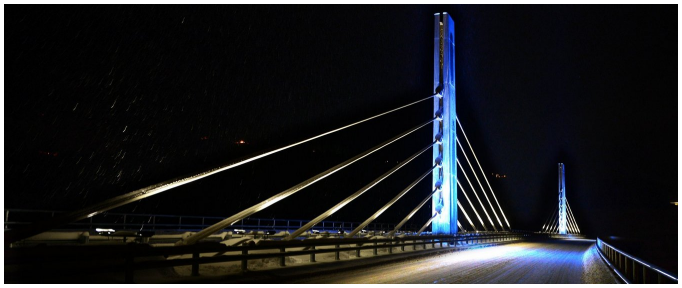
K13 Harpe bru/ K14 Solhaug bru/ K21 Vinstersletta bru







SHORT DESCRIPTION

As part of the E6 H1 Frya-Vinstra project, Implenia constructed three bridges for AF Gruppen, of which Harpe bridge is the largest with its 320 m. Harpe Bridge crosses Lågen river at Harpefoss in Sør-Fron. Harpe bridge is a extradosed bridge, which means that it is a hybrid between a stay cabel bridge and a prestressed girder bridge.

THE PROJECT

Harpe bridge is a extradosed bridge, which basically means that it is a hybrid between a stay cabel bridge and a prestressed girder bridge. The bridge is 320 m long and has a span of 45m - 60m - 100m - 60m - 45m. The bridge has four lanes and is one of the largest and most spectacular landmarks on the new E6 in Gudbrandsdalen.

In addition to Harpe bridge, the contract included Solhaug bridge of 80 m and Vinstersletta bridge of 125 m.

Project details:

- Contract Type: Prime contract
- Contract sum: MNOK 178.6
- Construction time: From March 2014 to October 2015
- Developer: Statens vegvesen, Region Sør
- Client: AF Gruppen AS

Technical information:

K13 Harpe bru:

- Extradosed Stay Cable Bridge: Length 320m
- spans: 45+65+100+65+45m
- foundations: piles/flat (fouded on rock)
- pylons hight: 16,0m

K14 Solhaug bru:

- 3– span bridge: total lenght of 80m
- spans: 26+28+26m
- foundations: flat (fouded on rock)

K21 Vinstersletta:

- 5 – span bridge with total lenght of 126m
- spans: 23+25+30+25+23m
- foundations: flat (fouded on rock)

FACTS

Location	Sør-Fron , Norway
Status	completed
Construction volume (value of our services)	179 M NOK
Building owner	Statens Vegvesen

SERVICES

Bridge construction

Infrastructure

https://implenia.com/en/references/detail/ref/k13-harpe-bridge-k14-solhaug-bridge-k21-vinstersletta-bridge/

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