

Project:

GRINIVEIEN PEDESTRIAN BRIDGE

LOCATION:

Oslo, Norway

YEAR:

2015 - ongoing

CLIENT:

Bærum local municipality

SCOPE/PHASE:

Concept development, feed and detail design

PROJECT RESPONSIBLE:

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Project description:

A new pedestrian bridge is built to connect the residential areas at Eiksmarka and Østerås, outside Oslo, with the forests and recreational areas north of county road 168 (Griniveien). The bridge is separated into two spans of 26 and 11 meters, by a column aligned with the noise-deflection wall.

One of the main design criteria was to design a bridge that could be pre-fabricated and lifted in place, and thus reducing the need to close down the road to a minimum. A number of alternatives has been explored, and the solution was a post-tensioned U-shaped structure in concrete. Each span is lifted separately into place and connected on-site. This solution combines quick assembly with good aesthetics and low structural height, which was important to avoid a dominating structure in an established residential area.