

MOTORWAY S6, ROAD BRIDGES

AUSTRIA



On behalf of ASFINAG Bau Management GmbH, the structures, substructures and restraint systems of the bridges ´Feldäcker´ and ´Sonnleiten´ were re-calculated acc. to ÖNORM B4700, Eurocode EC2 and ÖNORM B4252, with the design loads taken in accordance with ÖNORM B4002, SS 15.114 (special vehicles), Eurocode and the ASFINAG flow diagram and load images, Type 01 in concordance with the ONR 24008 (assessing the sustainability of existing rail and road bridges).

Additonally, in the course of the works, the actual condition of the structures was evaluated. Concrete samples were taken and analyzed for carbonatation and chloride content. The bridges were visually inspected from inside and outside, the surfaces were inspected with respect to damage due to overloading. Based on the results of the re-calculations and the actual state analysis, rehabilitation proposals and related cost estimates were worked out.

Client:
ASFINAG Baumanagement GmbH
Assessment:
convex ZT GmbH
Bridges:
´Feldäcker´ and ´Sonnleiten´
Total length:
111 m resp. 204 m
Width:
12,5 m
Cross-section:

Box girder, pre-stressed

Design period:

2009 - 2011

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Photos:

convex ZT GmbH

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