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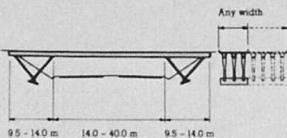
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STANDARD PRECAST OVERCROSSINGS SWISS NATIONAL HIGHWAY SYSTEM

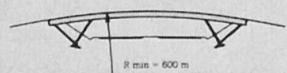
RANGE OF APPLICATIONS



Clear spans and widths



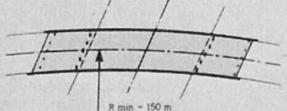
Longitudinal slopes



Crest vertical curves

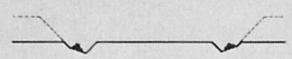


Skewed bridges

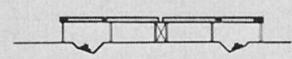


Curved bridges

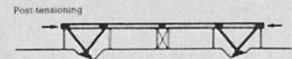
METHOD OF ASSEMBLY



Excavation and pouring of the foundations

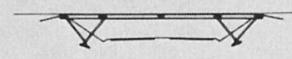


Erection of the precast, prestressed box girders



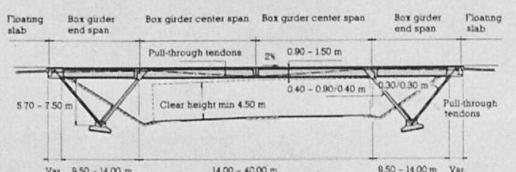
Assembly of the V-supports and pulling through of the prestressing wires or strands

Filling of the joints and post-tensioning

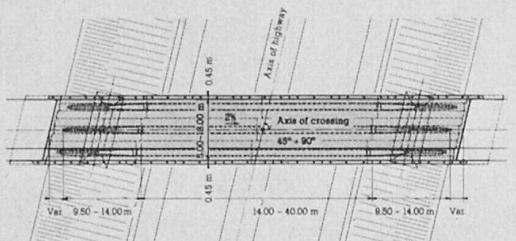


Construction duration on site: 6 weeks

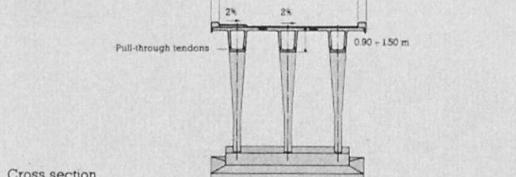
PROJECT DESIGN



Longitudinal section



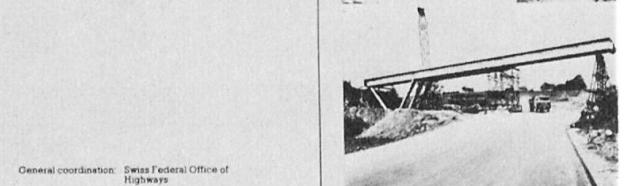
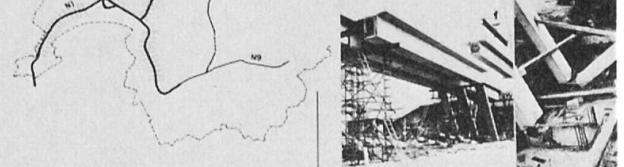
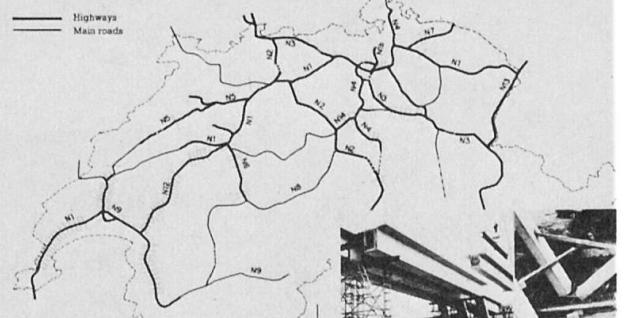
Plan view



Cross section

Detail box girder at edge with side walk

EXECUTED PROJECTS IN SWITZERLAND TOTAL: 104 OVERCROSSINGS



General coordination: Swiss Federal Office of Highways

Owners: Highway Departments of the Cantons

SCHALCHER & PARTNERS

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