

Zeitschrift: IABSE congress report = Rapport du congrès AIPC = IVBH
Kongressbericht

Band: 8 (1968)

Artikel: Conclusions

Autor: Wästlund, Georg

DOI: <https://doi.org/10.5169/seals-8845>

Nutzungsbedingungen

Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften auf E-Periodica. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. Das Veröffentlichen von Bildern in Print- und Online-Publikationen sowie auf Social Media-Kanälen oder Webseiten ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. [Mehr erfahren](#)

Conditions d'utilisation

L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. La reproduction d'images dans des publications imprimées ou en ligne ainsi que sur des canaux de médias sociaux ou des sites web n'est autorisée qu'avec l'accord préalable des détenteurs des droits. [En savoir plus](#)

Terms of use

The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. Publishing images in print and online publications, as well as on social media channels or websites, is only permitted with the prior consent of the rights holders. [Find out more](#)

Download PDF: 02.04.2026

ETH-Bibliothek Zürich, E-Periodica, <https://www.e-periodica.ch>

CONCLUSIONS / SCHLUSSFOLGERUNGEN / CONCLUSIONS

GEORG WÄSTLUND
Chairman of Working Commission III

New Practices in Concrete Structures

1. Skewed and curved bridges and viaducts in reinforced or prestressed concrete are nowadays much more common than before. Design and detailing of such bridges were dealt with. New applications were mentioned.
2. A theoretical analysis of curved box-type bridges was presented.
3. Construction methods influence the design of large bridges to an ever increasing extent. The design engineer should have a clear conception of economical construction procedures for cast-in-situ concrete as well as for precast concrete. (F. Leonhardt.)
4. Experiences regarding engineering and economic aspects of precast bridges were compared with those relating to corresponding monolithic bridges. The load-bearing capacity of the former bridges was reported always to be lower than that of the latter.
5. A record-breaking project of a big concrete arch bridge, 320 m in span length, to be built of prestressed concrete elements, was described.
6. Characteristics of fully prestressed and partially prestressed concrete structures were described and discussed with reference to tensile stresses, crack formation, and many other factors.
7. Tensile stresses and also cracks which characterise the behaviour of partially prestressed concrete structures have become commonly accepted.
8. It was proposed that the degree of prestressing should be made dependent on that service load which can be expected to occur one million times during the life of a bridge. It shall not be determined by the maximum load. (F. Leonhardt.)

Leere Seite
Blank page
Page vide