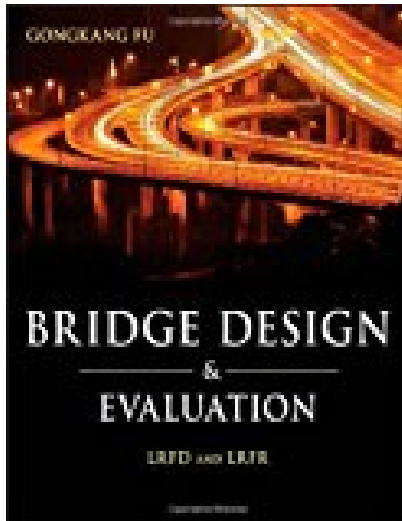


Bridge Design and Evaluation LRFD and LRFR



BOOK DETAILS

- Author : Gongkang Fu
- Pages : 456 Pages
- Publisher : Wiley
- Language : English
- ISBN : 0470422254



BOOK SYNOPSIS

A succinct, real-world approach to complete bridge system design and evaluation Load and Resistance Factor Design (LRFD) and Load and Resistance Factor Rating (LRFR) are design and evaluation methods that have replaced or offered alternatives to other traditional methods as the new standards for designing and load-rating U.S. highway bridges. Bridge Design and Evaluation covers complete bridge systems (substructure and superstructure) in one succinct, manageable package. It presents real-world bridge examples demonstrating both their design and evaluation using LRFD and LRFR. Designed for a 3- to 4-credit undergraduate or graduate-level course, it presents the fundamentals of the topic without expanding needlessly into advanced or specialized topics. Important features include: Exclusive focus on LRFD and LRFR Hundreds of photographs and figures of real bridges to connect the theoretical with the practical Design and evaluation examples from real bridges including actual bridge plans and drawings and design methodologies Numerous exercise problems Specific design for a 3- to 4-credit course at the undergraduate or graduate level The only bridge engineering textbook to cover the important topics of bridge evaluation and rating Bridge Design and Evaluation is the most up-to-date and inclusive introduction available for students in civil engineering specializing in structural and transportation engineering.

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