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Bridge Engineering (3rd Revised edition)

By Jim J Zhao, Demetrios E. Tonnias

McGraw-Hill Education - Europe. Hardback. Book Condition: new. BRAND NEW, Bridge Engineering (3rd Revised edition), Jim J Zhao, Demetrios E. Tonnias, This thoroughly revised, definitive guide addresses efficient and cost effective engineering design, rehabilitation, inspection, and repair of existing bridges. Bridge Engineering, Third Edition discusses recent highway bridge design code changes in the United States. Continuing the style and essential content of the previous editions, this revision replaces dated material with new codes and focuses on Load Resistant Factor Design (LRFD). Rehabilitation, inspection, and design remain key requirements to keep bridge systems safe and functional--these are fully covered in this book. This updated volume addresses the state of art of bridge engineering, highlights major concerns, and offers explanations and solved examples for day-to-day design issues. The book is ideal as both a textbook and a reference for the needs of the bridge and highway engineering community. New to This Edition The latest analytical and design techniques, using Load and Resistance Factor Design (LRFD) Includes the most recent AASHTO LRFD design methods Design examples and tips used as side bars throughout Introduces new bridge design and existing bridge load rating Uses both SI and US units Covers the latest design techniques...



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