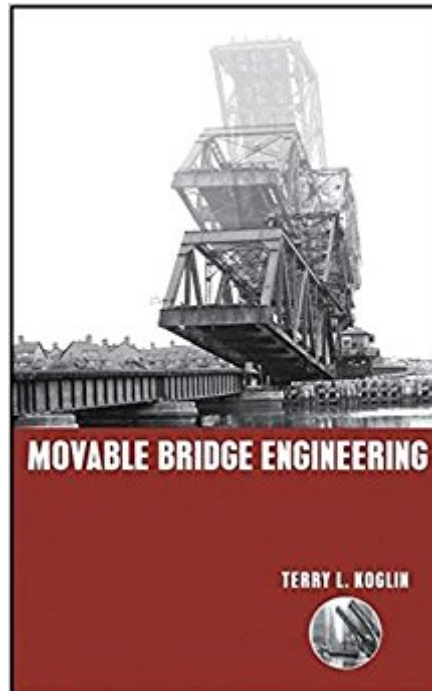




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Movable Bridge Engineering



Synopsis

This new reference work addresses both the maintenance and the upkeep of existing movable bridges, as well as the complete design of new movable bridges. Comprehensive coverage is provided on engineering design and actual construction technology used in building all major types of bridges, including all structural issues and relevant mechanical and electrical systems used to make such bridges functional. Includes coverage of vertical lift, swing, and bascule bridges for both highway and railway usage. Offers valuable guidance on operation, maintenance, inspection, and rehabilitation of moveable bridges.

Book Information

Hardcover: 691 pages

Publisher: Wiley; 1 edition (June 20, 2003)

Language: English

ISBN-10: 0471419605

ISBN-13: 978-0471419600

Product Dimensions: 6.4 x 1.4 x 9.6 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

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Up-to-date coverage on all aspects of designing, building, maintaining, and evaluating Movable Bridge Engineering is the most comprehensive reference on movable bridges published in the past sixty years. This new, highly visual resource addresses the engineering design and construction technology of new movable bridges, as well as the maintenance and rehabilitation of existing ones. Movable Bridge Engineering is organized into six functional parts from an engineering perspective: Selection Design Construction Maintenance Inspection Evaluation of existing bridges. All structural issues and relevant mechanical and electrical systems for vertical lift, swing, and bascule bridges (for highway and railway use) are covered, including machinery, applications, reversing loads, traffic maintenance, and many other issues relevant to these specialized bridges. With hundreds of informative photographs and illustrations, Movable Bridge Engineering is the most complete,

in-depth guide for everyone working with bridges of this type.

TERRY L. KOGLIN, PE, has worked with several of the world's premier civil and construction engineering firms specializing in movable bridges. His work on hundreds of projects includes type studies, design, construction, rehabilitation, inspection, and evaluation of all types of movable bridges.

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