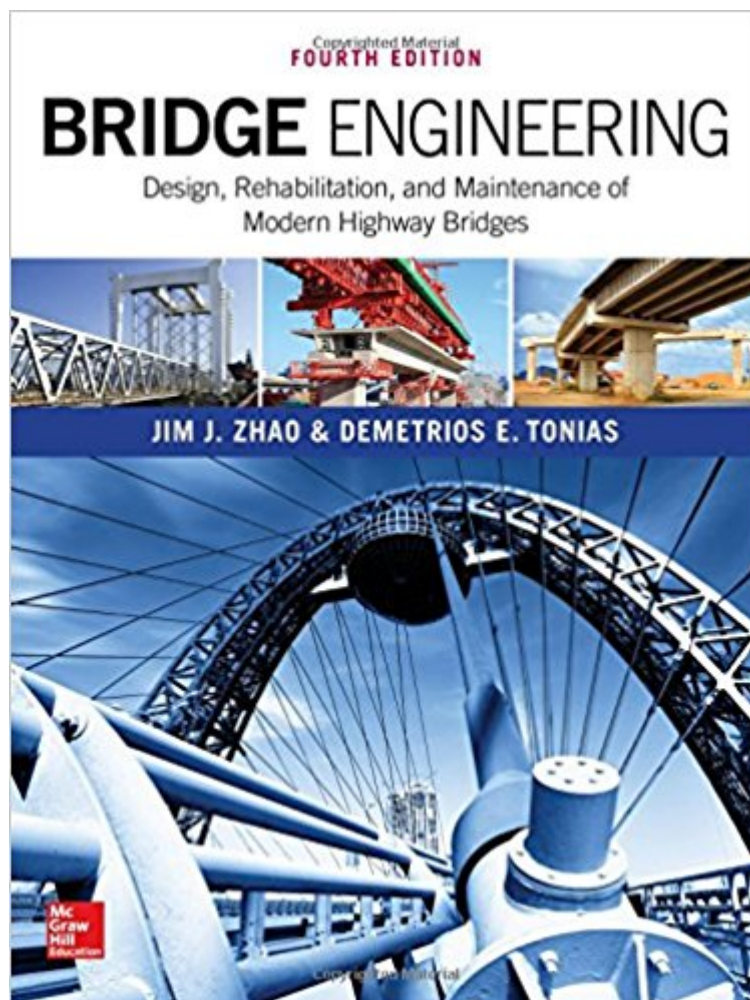




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# Bridge Engineering: Design, Rehabilitation, And Maintenance Of Modern Highway Bridges, Fourth Edition (P/L Custom Scoring Survey)



## Synopsis

Fully updated coverage of the entire bridge engineering process Revised to reflect the latest codes, standards, and technical advances, this practical reference covers every aspect of highway bridge engineering and management. Bridge Engineering: Design, Rehabilitation, and Maintenance of Modern Highway Bridges, Fourth Edition, features the latest analysis, design, and construction methods as well as up-to-date information on materials and components. Cutting-edge maintenance and repair techniques are explained in complete detail. Real-world case studies and detailed photos and illustrations are provided throughout. Coverage includes:

- Highway bridge structures
- Project inception and funding
- Design standards
- Bridge inspection and site survey
- Physical testing
- As-built plans and other record data
- Superstructure and deck types
- Wearing surface types
- Deck joint types
- Design loads and methods
- Internal forces and load distribution
- Concrete deck slabs
- Composite steel members
- Plate girders and continuous beams
- Protecting steel superstructures
- Load rating
- Prestressed concrete
- Substructure design
- Abutments and piers
- Bearings
- Managing the design process
- Contract documents
- Bridge management systems

## Book Information

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