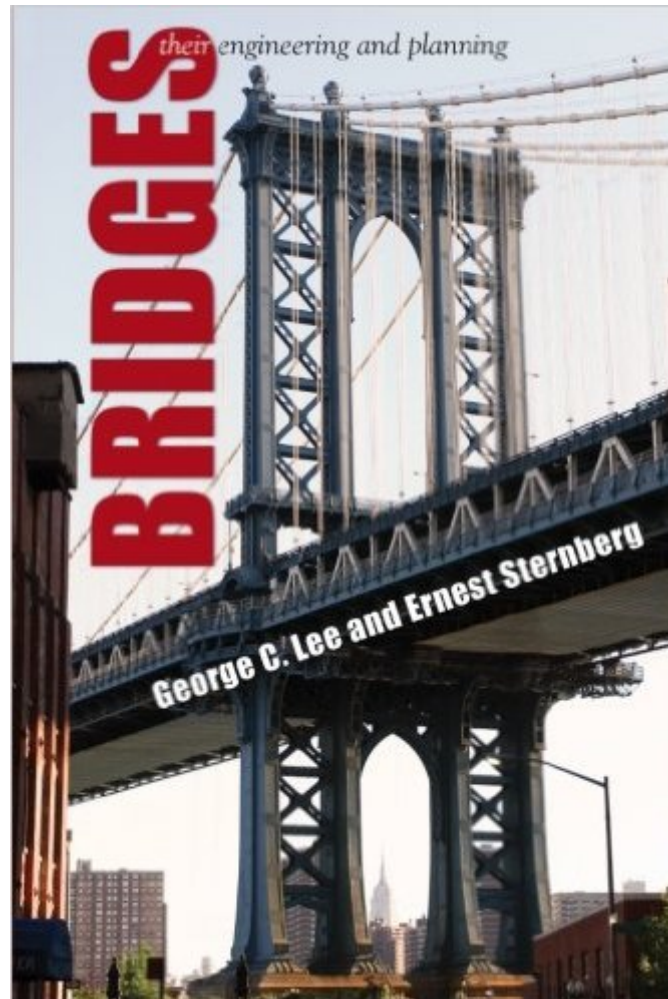


The book was found

Bridges: Their Engineering And Planning



Synopsis

A multidisciplinary and accessible introduction to humanity's favorite structure: the bridge. Whether you are a student considering a career in civil engineering and transportation planning, a public official interested in the future of infrastructure, or a person who simply cares about bridges, this book offers an accessible and illustrated introduction to the most beloved feature of our built environment. Learn about engineering basics: the forces that bridges must resist to stay aloft and the principles by which engineers decide which types of bridges make sense at which sites. Find out how engineers protect bridges from their greatest threats—the earthquakes, floods, and other hazards that can cause catastrophic damage. Moving from engineering to planning, learn how we decide whether a bridge is worth building in the first place, learn about controversial features of cost-benefit analysis, and about the transportation models by which planners forecast bridge effects on traffic patterns. Investigate a sometimes intractable problem: why a project often creeps along for a decade or more to get from initial studies to the day the ribbon is cut, undergoing vast cost escalations. Also explore the environmental impact of bridges, and the meaning of a "sustainable bridge" and whether bridges could once again be built, like ancient Roman ones, to last a thousand years. "Authoritative, comprehensive, and fun to read, this book is for everyone interested in bridges, from the lay reader to the techie who likes to see how things work. It also will serve as an excellent companion to beginning design students in architecture and engineering, and it should be on the shelf of civil engineers, architects, and contractors, too." — Robert E. Paaswell, City College of New York "This work will help educated but nonspecialist decision makers to appreciate the complexity of bridge design, construction, and maintenance in making decisions that impact bridges." — Niraj Verma, Virginia Commonwealth University

Book Information

Paperback: 180 pages

Publisher: State University of New York Press (March 1, 2015)

Language: English

ISBN-10: 1438455267

ISBN-13: 978-1438455266

Product Dimensions: 6 x 0.4 x 9 inches

Shipping Weight: 10.6 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,049,852 in Books (See Top 100 in Books) #115 in Books > Engineering &

Transportation > Engineering > Civil & Environmental > Highway & Traffic #127 inÂ Books >
Engineering & Transportation > Engineering > Civil & Environmental > Bridges #1930 inÂ Books >
Politics & Social Sciences > Politics & Government > Public Affairs & Policy > City Planning & Urban
Development

[Download to continue reading...](#)

Bridges: Their Engineering and Planning Seismic Design and Assessment of Bridges: Inelastic
Methods of Analysis and Case Studies: 21 (Geotechnical, Geological and Earthquake Engineering)
Seismic Design Aids for Nonlinear Pushover Analysis of Reinforced Concrete and Steel Bridges
(Advances in Earthquake Engineering) Creative Plans for Yard and Garden Structures: 42
Easy-To-Build Designs for Gazebos, Sheds, Pool Houses, Playsets, Bridges and More! Roadway
Work Zone Analysis: Guidance for Decision-makers and Analysts (Transportation
Infrastructure-Roads, Highways, Bridges, Airports and Mass Transit) Seismic Design and Retrofit of
Bridges Encyclopedia of Bridges and Tunnels (Facts on File Science Library) Great Lakes Island
Escapes: Ferries and Bridges to Adventure (Painted Turtle) The Silent Attack: The Taking of the
Bridges at Veldwezelt, Vroenhoven and Kanne in Belgium by German Paratroops, 10 May 1940
Designers' Guide to Eurocode 8: Design of Bridges for Earthquake Resistance (Designers' Guide to
Eurocodes) Design of Steel-Concrete Composite Bridges to Eurocodes Assessing English
Language Learners: Bridges to Educational Equity: Connecting Academic Language Proficiency to
Student Achievement Comprehension Connections: Bridges to Strategic Reading Building Bridges
(Footprints Series) Santiago Calatrava: Los puentes / The Bridges (Spanish Edition) Bridges Not
Walls: A Book About Interpersonal Communication Daughters of Islam: Building Bridges with
Muslim Women Bridges to Islam: A Christian Perspective on Folk Islam Fundamentals of
Earthquake Engineering (Civil engineering and engineering mechanics series) Earthquake
Engineering: From Engineering Seismology to Performance-Based Engineering

[Dmca](#)