Bridges (Library of Congress Visual Sourcebooks) by Richard L. Cleary

A Survey Highly Recommended

An account of American bridge design, from familiar monuments to modest structures that offer eloquent statements of problems solved. Bridges are such ubiquitous features of the built environment that we cross most of them barely acknowledging their presence. Certain bridges, however, command attention: for their utility facilitating travel from here to there; for their size, setting, beauty, or historical associations. Ordinary or spellbinding, every bridge is a response to a problem—the spanning of a river or other obstacle, solved more or less elegantly. This visual sourcebook surveys American bridges from coast to coast in terms of four fundamental structural types (beam, arch, truss, and suspension) and the special category of movable bridges (swing, lift, and bascule) showing how similar structural ideas have been addressed by different designers, refined over time, and rendered in various building materials. A special feature is A Call for Preservation of the American bridge engineering heritage by Eric DeLony, formerly chief of the Historic American Engineering Record, National Park Service.

My Personal Review:

BRIDGES: A NORTON/LIBRARY OF CONGRESS VISUAL SOURCEBOOK provides a survey of the history, engineering challenges and art of American bridge design, from major national monuments to local structures which display unique solutions to bridge-building problems. All structural types - from arch to suspension - are covered, and even moveable bridges are surveyed to provide insights into common engineering and design approaches. Packed with black and white photos throughout, BRIDGES is a survey highly recommended for any college-level collection strong in either engineering or structural art.

Diane C. Donovan
California Bookwatch
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