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Descrizione fisica	1 online resource (ix, 281 pages) : illustrations (some color)
Collana	Gale eBooks
Disciplina	624.25
Soggetti	Bridges - Design and construction Arch bridges Iron and steel bridges
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction of bridge engineering -- 2. Bridge planning and design -- 3. Materials for bridge constructions -- 4. Loads and load distribution -- 5. Bridge deck systems -- 6. Reinforced and prestressed concrete bridges -- 7. Steel bridges -- 8. Truss bridges -- 9. Arch bridges -- 10. Cable-stayed bridges -- 11. Suspension bridges -- 12. Bridge bearings and substructures -- 13. Inspection, monitoring, and assessment -- 14. Repair, strenghtening, and replacement.
Sommario/riassunto	This book explores the theory and practice of bridge engineering, design and planning, materials and construction, loads and load distribution, and deck systems. It covers such applications as reinforced and prestressed concrete bridges, steel bridges, truss bridges, arch bridges, cable bridges, suspension bridges, bridge piers, and bridge substructures, as well as issues commonly found in inspection, monitoring, repair, strengthening, and replacement of bridge structures.