Record Nr. UNINA9910383811803321 Autore Beben Damian **Titolo** Soil-steel bridges: design, maintenance and durability / / Damian Beben Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2020 **ISBN** 3-030-34788-5 Edizione [First edition 2020.] Descrizione fisica 1 online resource (ix, 214 pages): 113 illustrations, 47 illustrations in colour) Geotechnical, Geological and Earthquake Engineering., 1573-6059:: Collana 49 Disciplina 624.25 624.217 Soggetti Iron and steel bridges - Design and construction Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references. 1. Introduction -- 2. Selected Issues of Soil-Steel Bridge Design -- 3. Nota di contenuto Corrosion Problem -- 4. Testing and durability of soil-steel bridges --5. Recapitulation. The primary objective of this book is to provide designers with a set of Sommario/riassunto analysis and design specifications for soil-steel bridges and culverts, also called flexible structures. Brief but informative, this guide is based on a quick look up approach to code applications, design and analysis methods/calculations as well as applications and solved examples. The book addresses the unique aspects of soil-steel bridges: design and analysis as well as examples of applications, numerical analysis and modeling techniques, corrosion and durability problems, service life and maintenance, and impact of moving loads. .