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Autore	Davalos Julio F.
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Collana	Composite materials: design and analysis
Classificazione	TEC021000TEC063000
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Soggetti	Bridges - Floors - Materials Fiber-reinforced concrete Polymer-impregnated concrete
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Nota di contenuto	Front Cover; Contents; Series Preface; Preface; Acknowledgments; About the Authors; Chapter 1 - Introduction; Chapter 2 - FRP Deck: Stiffness Evaluation; Chapter 3 - FRP Deck: Strength Evaluation; Chapter 4 - Mechanical Shear Connector for FRP Decks; Chapter 5 - FRP Deck-Steel Girder Bridge System; Chapter 6 - Design Guidelines for FRP Deck-Steel Girder Bridge Systems; Chapter 7 - Systematic Analysis and Design Approach for Single-Span FRP Deck-Stringer Bridges; Back Cover
Sommario/riassunto	This book presents the analysis and design of fiber-reinforced polymer (FRP) decks, which have been increasingly implemented in rehabilitation projects and new construction due to their reduced weight, lower maintenance costs, and enhanced durability and service life. The book is organized into three complementary parts, covering FRP decks, shear connectors between the deck and steel girders, and the behavior of bridge systems. It outlines analysis and design guidelines for each specific deck type, which can be broadly classified according to their production process as sandwich panels and adhesively bonded cellular sections, produced mainly by pultrusion--

