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Titolo	Handbook of Operations Research Applications at Railroads // edited by Bruce W. Patty
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Descrizione fisica	1 online resource (287 p.) : color illustrations
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Soggetti	Operations research Transportation engineering Traffic engineering Industrial organization Operations Research and Decision Theory Transportation Technology and Traffic Engineering Organization
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Train Scheduling -- Locomotive Scheduling Problem -- Simulation of Line of Road Operations -- Car Scheduling/Trip Planning -- Railway Blocking Process -- Crew Scheduling Problem -- Empty Railcar Distribution -- Network Analysis and Simulation -- Simulation of Yard and Terminal Operations -- Operations Research in Rail Pricing and Revenues Management -- Intermodal Rail.
Sommario/riassunto	This is the first book to offer a complete spectrum of the role that operations research has played and can play in the improvement of North American freight railroads. It explores how decisions are made at railroads, contains examples of the mathematical programming formulations to the complex problems, and provides insights into real-world applications. The handbook is divided into eleven chapters, covering topics including scheduling problems, empty railcar

distribution, and intermodal rail. These topics have been specifically selected to offer a thorough examination of the application of operations research at freight railroads. The chapters are written by recognized award-winning scholars and practitioners with a deep knowledge and understanding of their specific topics. The Handbook of Operations Research Applications at Railroads is an ideal resource for academics, experienced researchers, and consultants in the field.
