

1. Record Nr.	UNINA9910155529003321
Titolo	Intelligent infrastructure : zip cars, invisible networks, and urban transformation // edited by T. F. Tierney
Pubbl/distr/stampa	Charlottesville, [Virginia] ; ; London, [England] : , : University of Virginia Press, , 2016 ©2016
ISBN	0-8139-3942-9
Descrizione fisica	1 online resource (272 pages) : illustrations
Disciplina	388.4
Soggetti	Intelligent transportation systems Transportation - Technological innovations Urban transportation Infrastructure (Economics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (pages 223-237) and index.
Nota di contenuto	; Machine generated contents note: ; pt. I Soft Systems -- Conceptual Roots of Infrastructure / Mitchell Schwarzer -- Tinkering toward (A) utopia: Telecommunications and Transit in the Twentieth-First-Century City / Anthony Townsend -- Phantom Tollbooth Plaza / Jordan Geiger -- ; pt. II Mashed Systems -- Mobile Networks as Tactical Transportation / Gerald Tierney -- (Driver)less Is More / Kai-Uwe Bergmann -- Ubiquitous Multimodality: A Vision for Urban Mobility in the (Near) Future / Christine Outram -- Future of Personal Urban Mobility: An Engineer's Perspective / Sven Beiker -- ; pt. III Hard Systems -- Automobile, the City, and the New Urban Mobilities / Frederic Stout -- Rethinking Urban Utopias: A Manifesto for Self-Supported Infrastructure, Technology, and Territory / Mitchell Joachim -- Urban Mobility in the Informal City / Hubert Klumpner -- Paradox of Urban Mobility and the Spatialization of Technological Utopia / Chamee Yang.
Sommario/riassunto	"While many of its traditional elements, such as roads and utilities, do not change, urban infrastructure is undergoing a fascinating and necessary transformation in the wake of new information and

communication technologies. This volume brings together many of the most important new voices in the fields impacting modern urban infrastructure to explore this revolutionary change in the city. Increasingly, it is connective systems rather than built forms that bind a city together. Intelligent infrastructure confers upon a city previously unimagined levels of adaptability, with mobile telephony serving to organize people and events on the move and in real time. Beginning with a consideration of invisible networks--the sociohistorical systems that contribute to and constitute urbanity--the essays collected here examine a variety of actual tools, from handheld devices to autonomous vehicles, within a fully networked built environment: the smart city. This book argues that knowledge of both the visible and invisible components--information, energy, sustainability, transportation, housing, and social practices--are critical to understanding the urban environment. The dynamic and diverse cast of contributors includes Mitchell Schwarzer, Frederic Stout, Anthony Townsend, Carlo Ratti of the MIT SENSEable City Lab, Mitchell Joachim of Terreform ONE, and many other innovators who are changing the urban landscape."--Publisher's description.
