Sustainable Transportation In The National Parks From Acadia To Zion

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Experimenting for Sustainable Transport

In Future Drive, Daniel Sperling addresses the adverse energy and environmental consequences of increased travel, and analyzes current initiatives to suggest strategies for creating a more environmentally benign system of transportation. Groundbreaking proposals are constructed around the idea of electric propulsion as the key to a sustainable transportation and energy system. Other essential elements include the ideas that: improving technology holds more promise than large-scale behavior modification technology initiatives must be matched with regulatory and policy initiatives government intervention should be flexible and incentive-based, but should also embrace selective technology-forcing measures more diversity and experimentation is needed with regard to vehicles and energy technologies Sperling evaluates past and current attempts to influence drivers and vehicle use, and articulates a clear and compelling vision of the future. He formulates a coherent and specific set of principles, strategies, and policies for redirecting the United States and other countries onto a new sustainable pathway.

Sustainable Transportation in Canada

Mobility is fundamental to economic and social activities such as commuting, manufacturing, or supplying energy. Each movement has an origin, a potential set of intermediate locations, a destination, and a nature which is linked with geographical attributes. Transport systems composed of infrastructures, modes and terminals are so embedded in the socio-economic life of individuals, institutions and corporations that they are often invisible to the consumer. This is paradoxical as the perceived invisibility of transportation is derived from its efficiency. Understanding how mobility is linked with geography is main the purpose of this book. The third edition of The Geography of Transport Systems has been revised and updated to provide an overview of the spatial aspects of transportation. This text provides greater discussion of security, energy, green logistics, as well as new and updated case studies, a revised content structure, and new figures. Each chapter covers a specific conceptual dimension including networks, modes, terminals, freight transportation, urban transportation and environmental impacts. A final chapter contains core methodologies linked with transport geography such as accessibility, spatial interactions, graph theory and Geographic Information Systems for transportation (GIS-T). This book provides a comprehensive and accessible introduction to the field, with a broad overview of its concepts, methods, and areas of application. The accompanying website for this text contains a useful additional material, including digital maps, PowerPoint slides, databases, and links to further reading and websites. The website can be accessed at: http://people.hofstra.edu/geotrans This text is an essential resource for undergraduates studying transport geography, as well as those interest in economic and urban geography, transport planning and engineering.

Sustainable and Efficient Transport

Sustainable Transportation Planning

Cycling and walking are both essential components in sustainable transport strategy and are becoming an ever more important part of urban planning. There is now a wealth of international experience of how well sustainable planning works in practice and how it can be improved. With a wide range of contributions from America, Australia, Europe as well as the UK, Sustainable transport sums up many of the lessons learnt and how they can be applied in improved planning. Non-motorised transport planning depends on combining improvements to infrastructure with education. There are chapters examining both national strategies and local initiatives in cities around the world, including such topics as changes to existing road infrastructure and the integration of cycling and walking with public transport. Since education is a critical element in sustainable transport planning, contributors also consider such topics as developing healthier travel habits and ways of promoting cycling and walking as alternatives to the car. With its blend of practical experience and suggestions for improvement, Sustainable transport is essential reading for urban planners, environmental groups and those researching transport issues. Comprehensive handbook covering sustainable transport initiatives world wide Focuses on walking and

cycling as alternatives to motorised transport systems Presents practical advice on how to encourage sustainable transport schemes

Transforming Cities with Transit

Protected areas are at the centre of nature-based tourism, which is increasingly popular across the world. As visitor numbers increase, so does awareness of the harmful effects that large crowds may have on both natural resources and individuals' recreational experience. This volume considers the challenge of transportation to and within natural and protected areas, the improvement of which has already been recognised as having great potential for mitigating the environmental impacts of ecotourism. While several books have focused considerable attention to the management of protected areas in general, little has been said about the specific issue of sustainable transport, an emerging trend that is already reshaping visitation patterns in natural settings. This book provides current knowledge on issues associated with the transportation of visitors in natural and protected areas, and a comprehensive overview of the technical and strategic options available to tackle these issues. It approaches the subject via three main topics: preferences, or the visitors' attitudes towards transportation; practices, where current approaches are assessed through examples and case-studies of successful experiences and methodologies from around the world; and policies, where suggestions and recommendations are put forward for both local scale strategies and broad-scale regulatory action with global relevance. Contributors include academics in the field of natural resource management and tourism, with extensive experience in protected area management and active partnerships with natural park administrations.

Social Change and Sustainable Transport

Towards Sustainable Transport Planning

Sustainable Urban Mobility Pathways examines how sustainable urban mobility solutions contribute to achieving worldwide sustainable development and global climate change targets, while also identifying barriers to implementation and strategies to overcome them. Building on city-to-city cooperation experiences in Europe, Asia, Africa and Latin America, the book examines key challenges in the context of the Paris Agreement, UN Sustainable Development Goals and the New Urban Agenda, including policies needed to achieve a sustainable, low-carbon pathway for transport and how an integrated policy strategy is designed to provide a basis for political coalitions. The book explores which institutional framework creates sufficient political stability and continuity to foster the take-up of and long-term support for sustainable transport strategies. The linkages of climate change and wider sustainable development objectives are covered, including success

stories, best practices, and quantitative analysis for key emerging economies in public transport, walking, cycling, freight and logistics, vehicle technology and fuels, urban planning and integration, and national framework policies. Provides a holistic view of sustainable urban transport, focusing on policy-making processes, the role of institutions and successes and pitfalls Delivers practical insights drawn from the experiences of actual city-to-city cooperation and on-the-ground policy work Explores options for the integration of policy objectives and institutional structures that form coalitions for the implementation of sustainable urban mobility solutions Describes the policy, institutional, political, and socio-economic aspects in cities in five emerging economies: Brazil, China, India, Mexico, and Turkey

ICCTP 2011

'Transforming Cities with Transit' explores the complex process of transit and land-use integration and provides policy recommendations and implementation strategies for effective integration in rapidly growing cities in developing countries.

Engineering Tools and Solutions for Sustainable Transportation Planning

Transportation plays a substantial role in the modern world; it provides tremendous benefits to society, but it also imposes significant economic, social and environmental costs. Sustainable transport planning requires integrating environmental, social, and economic factors in order to develop optimal solutions to our many pressing issues, especially carbon emissions and climate change. This essential multi-authored work reflects a new sustainable transportation planning paradigm. It explores the concepts of sustainable development and sustainable transportation, describes practical techniques for comprehensive evaluation, provides tools for multi-modal transport planning, and presents innovative mobility management solutions to transportation problems. This text reflects a fundamental change in transportation decision making. It focuses on accessibility rather than mobility, emphasizes the need to expand the range of options and impacts considered in analysis, and provides practical tools to allow planners, policy makers and the general public to determine the best solution to the transportation problems facing a community. Featuring extensive international examples and case-studies, textboxes, graphics, recommended reading and end of chapter questions, the authors draw on considerable teaching and researching experience to present an essential, ground-breaking and authoritative text on sustainable transport. Students of various disciplines, planners, policymakers and concerned citizens will find many of its provocative ideas and approaches of considerable value as they engage in the processes of understanding and changing transportation towards greater sustainability.

Changing Course

Empowering the New Mobility Workforce: Educating, Training, and Inspiring Future Transportation Professionals enlists a multidisciplinary roster of subject matter specialists who identify the priorities and strategies for cultivating a skilled workforce for the rapidly changing transportation landscape. Transportation employers will need to hire 4.6 million workers—1.2 times the current transportation workforce—in the next decade. The book explores how leaders in education, industry and government can work together to create an ecosystem that facilitates learning and upskilling for emerging and incumbent transportation workers. Readers will learn how to conduct labor market analyses and develop competency models to adapt their workforce. This book will empower readers to establish ongoing communities of practice that cultivate sustainable career pathways that respond to ever-evolving socioeconomic trends and transformational technologies. Provides a comprehensive assessment of the new technologies and consumer attitudes driving change in personal vehicle, mass transit, active transportation, and goods movement, both domestically and internationally Identifies the career pathways, experiential learning models, and types of curriculum needed to prepare emerging professionals to develop and operate transportation systems of the future Emphasizes, through case studies, innovative practices emerging in public- and private-sector transportation organizations Draws on key work conducted in the United States and around the world, acknowledging the increasing interconnectedness of transportation systems between countries, economies and social networks that transcend national boundaries

Sustainable Approaches to Urban Transport

Technological change is a central feature of modern societies and a powerful source for social change. There is an urgent task to direct these new technologies towards sustainability, but society lacks perspectives, instruments and policies to accomplish this. There is no blueprint for a sustainable future, and it is necessary to experiment with alternative paths that seem promising. Various new transport technologies promise to bring sustainability benefits. But as this book shows, important lessons are often overlooked because the experiments are not designed to challenge the basic assumptions about established patterns of transport choices. Learning how to organise the process of innovation implementation is essential if the maximum impact is to be achieved - it is here that strategic niche management offers new perspectives. The book uses a series of eight recent experiments with electric vehicles, carsharing schemes, bicycle pools and fleet management to illustrate the means by which technological change must be closely linked to social change if successful implementation is to take place. The basic divide between proponents of technological fixes and those in favour of behavioural change needs to be bridged, perhaps indicating a third way.

Transportation and Public Health

This discussion paper describes the Government's transport policy objectives, in light of the recommendations of the

Eddington transport study (2006, ISBN 9780118404877) and the Stern report on the economics of climate change (2007, ISBN 9780102944204). It sets out the Department for Transport's policy and investment plans for the period to 2013-14. It goes on to propose a new approach to longer-term strategic transport planning and development, building on the Eddington model, and explains how it will engage with key stakeholders during its implementation. Four key steps are identified in this approach: clarity about policy goals; identifying transport challenges; generating options to address them; and selecting options that deliver the best value for money in the context of sustainable development. The document highlights five broad goals within the Government's transport agenda: maximising the competitiveness and productivity of the economy; addressing climate change; protecting people's safety, security and health; improving quality of life through a healthy natural environment; and promoting greater equality of opportunity.

Empowering the New Mobility Workforce

Transportation, Land Use, and Environmental Planning

This textbook provides an introduction to the concept of sustainability in the context of transportation planning, management, and decision-making. The book is divided into two parts. In the first part, indicators and frameworks for measuring sustainable development in the transportation sector are developed. In the second, the authors analyze actual planning and decision-making in transportation agencies in a variety of governance settings. This analysis of real-world case studies demonstrates the benefits and limitations of current approaches to sustainable development in transportation. The book concludes with a discussion on how to make sustainability count in transportation decision-making and practice.

Sustainable Transportation Program 2016 Annual Report

The tactical organization of resources is a vital component to any industry in modern society. Effectively managing the flow of materials through various networks ensures that the requirements of customers are met. Sustainable Logistics and Strategic Transportation Planning is a pivotal reference source for the latest research on the management of logistics through the lens of sustainability, as well as for emerging procedures that are particularly critical to the transportation sector. Highlighting international perspectives, conceptual frameworks, and targeted investigations, this book is ideally designed for policy makers, professionals, researchers, and upper-level students interested in logistics and transport systems.

Sustainable Railway Futures

National Policies to Promote Cycling brings together the experience of 21 countries and 7 municipalities in developing and implementing policies and measures to promote cycling as a means of travel.

Sustainable Urban Mobility Pathways

A groundbreaking work that integrates social, economic, and behavioural sciences into the transportation field

Sustainable Transportation Systems Engineering

Through an examination of transport planning in Australia, this book challenges conventional wisdom by showing, through original research, how 'car dependence' is as much an institutional as a technical phenomenon. The authors' case studies in three metropolitan cities show how transport policy has become institutionally fixated on a path dominated by private, road-based transport and how policy systems become encrusted around investment to accommodate private cars, erecting an impenetrable barrier against more sustainable mobility and accessibility solutions. The findings are applicable to most cities of the developed world, and to fields beyond transport planning.

Sustainable Transport

Green Ports: Inland and Seaside Sustainable Transportation Strategies presents the first book to exclusively focus on this important topic that is usually only covered in brief chapters or journal articles that are too theoretical, fragmented or regionally-focused. This book comprehensively and systematically examines the key issues and best practice for understanding green ports and quantifying aspects of their environmental performance. This applied research book will help researchers formulate the needed research questions. Includes practical application tools and techniques for increasing sustainability throughout the entire transportation chain Provides an overall picture of green ports through a collection of expert specialists Examines how ports and surrounding areas are addressing the environmental impacts related to growth in the cruise business Presents a theoretical framework to identify best practices for planning and policymaking for the impacts posed by climate change

Sustainable Transportation

The study on which this work is based was undertaken between 1991 and 1995 and depicts the state of transport policy and practice in Europe, Britain and the Netherlands during this period. The text examines how the concept of sustainability has been interpreted in transport and environmental policy at the European, national and local level. The approaches of

Britain and the Netherlands to transport and environmental policy are compared. With the use of case studies of transport corridors it illustrates how different policy aproaches affect choices and decisions taken at the project level. It demonstrates the advantages of a strategic planning approach which is objective-led and which sets out speciifc targets for sustainability. The book concludes by outlining an environment-based approach for transport planning.

Sustainable Transportation and Smart Logistics

The EU Commission has set the goal of facilitating a competitive transport system, increasing mobility and supporting growth while simultaneously reaching a target of 60 per cent emissions reductions by 2050. In light of past performance and estimated development, the target will not be reached without further behavioural change in the transport sector. This interdisciplinary book examines how such a behavioural shift can be achieved by various organizational and legal means, focusing primarily on the European Union and its specific policies related to greening transport.

National Research Agenda for Transportation and Sustainable Communities

Revitalizing railways as a major sustainable transport mode in modern societies faces many issues and challenges. This in-depth overview places the importance of railways in the wider context of comprehensive sustainability, which encompasses sustainable development, social and economic equity and community livability. Some scholars have described the 21st century as a period of renaissance for railways and suggest this transport mode can fulfil people's desire for high mobility with low negative environmental, social, economic and financial impacts. In light of these new expectations for railways, in both passenger and freight transport worldwide, this book offers the latest research insights on the renewed interest about railway expansions and their wide-ranging environmental, socio-economic and even political implications.

Implementing Sustainable Urban Travel Policies: Moving Ahead National Policies to Promote Cycling

Making Urban Transport Sustainable addresses the future of urban transport as a global issue. Money is being poured into roads, railways and airports at a time when the global atmosphere is threatened and oil production has reached its peak. If the world's environment and societies are to be sustained, urban transport has to change. Contributions by experts from the developed and developing world discuss the severity of the problem and suggest potential solutions.

Towards a sustainable transport system

Most Asian cities have grown more congested, more sprawling, and less livable in recent years; and statistics suggest that this trend will continue. Rather than mitigate the problems, transport policies have often exacerbated them. In this book, the Asian Development Bank outlines a new paradigm for sustainable urban transport that gives Asian cities a workable, step-by-step blueprint for reversing the trend and moving toward safer, cleaner, more sustainable cities, and a better quality of urban life.

Green Ports

Transitions Towards Sustainable Mobility

Sustainable Transportation in Natural and Protected Areas

Delivering a sustainable transport system is not just a matter of adopting a number of technological innovations to improve performance in terms of people, planet, and profits. A broader structural and societal transition is needed in technology, as well as in institutions, behavioural patterns, and the economy as a whole. In this broader view, neither the free market nor the public sector will be the unique key player in making this transition happen. Elements of such an approach are presented in this book in a number of domains: integrating transport infrastructure and land use planning, thus connecting fields that are rather unconnected in day-to-day policies; experiments with dynamic transport optimization, including reports on pilot projects to test the viability of transitions; towards reliable transport systems, describing a reversal from supply-driven towards demand-driven approaches; and sustainable logistics and traffic management, from ‘local’ city distribution to global closed supply chain loops.

National Symposium and Videoconference on Sustainable Transportation

Sustainable Transportation and Smart Logistics: Decision-Making Models and Solutions provides deterministic and probabilistic models for transportation logistics problem-solving and decision-making. The book presents an overview of the intersections between sustainability, transportation, and logistics, and delves into the current problems associated with the implementation of sustainable transportation and smart logistics in urban settings. It also offers models for addressing complex structural problems and procedures for estimating transportation externalities such as environmental and social impacts, both in industrial and government arenas, as well as decision-making models from operational, tactical, and strategic management perspectives. Sustainable Transportation and Smart Logistics also covers best practices for practical

corporate policy implementation, making it a comprehensive and vital resource for researchers, graduate students, practitioners, and policy makers in transportation, logistics, urban planning, economics, engineering, and environmental science. Examines various modes of transportation Includes mathematical models for decision-making in a wide variety of situations Presents public transportation and smart cities use cases

Building a Sustainable Transportation Infrastructure for Long-Term Economic Growth

Engineer and implement sustainable transportation solutions Featuring in-depth coverage of passenger and freight transportation, this comprehensive resource discusses contemporary transportation systems and options for improving their sustainability. The book addresses vehicle and infrastructure design, economics, environmental concerns, energy security, and alternative energy sources and platforms. Worked-out examples, case studies, illustrations, equations, and end-of-chapter problems are also included in this practical guide. Sustainable Transportation Systems Engineering covers: Background on energy security and climate change Systems analysis tools and techniques Individual choices and transportation demand Transportation systems and vehicle design Physical design of transportation infrastructure Congestion mitigation in urban passenger transportation Role of intelligent transportation systems Public transportation and multimodal solutions Personal mobility and accessibility Intercity passenger transportation Freight transportation function and current trends Freight modal and supply chain management approaches Spatial and geographic aspects of freight transportation Alternative fuels and platforms Electricity and hydrogen as alternative fuels Bioenergy resources and systems Transportation security and planning for extreme weather events PRAISE FOR SUSTAINABLE TRANSPORTATION SYSTEMS ENGINEERING: "This book addresses one of the great challenges of the 21st century--how to transform our resource-intensive passenger and freight transportation system into a set of low-carbon, economically efficient, and socially equitable set of services." -- Dan Sperling, Professor and Director, Institute of Transportation Studies, University of California, Davis, author of Two Billion Cars: Driving toward Sustainability "provides a rich tool kit for students of sustainable transportation, embracing a systems approach. The authors aptly blend engineering, economics, and environmental impact analysis approaches." -- Susan Shaheen, Professor, Department of Civil and Environmental Engineering, and Co-Director, Transportation Sustainability Research Center, University of California, Berkeley

Sustainable Transportation

"The Great American Dream of cruising down the parkway, zipping from here to there at any time has given way to a true nightmare that is destroying the environment, costing billions and deeply impacting our personal well-being. Getting from A to B has never been more difficult, expensive or miserable. It doesn't have to be this way. Jeffrey Tumlin's book Sustainable Transportation Planning offers easy-to-understand, clearly explained tips and techniques that will allow us to quite literally

take back our roads. Essential reading for anyone who wants to drive our transportation system out of the gridlock." -Marianne Cusato, home designer and author of Get Your House Right: Architectural Elements to Use and Avoid ?The book is full of useful ideas on nearly every page.? ? Bill DiBennedetto of Triple Pundit As transportations-related disciplines of urban planning, architecture, landscape architecture, urban economics, and social policy have undergone major internal reform efforts in recent decades Written in clear, easy-to-follow language, this book provides planning practitioners with the tools they need to achieve their cities? economic development, social equity and ecological sustainability goals. Starting with detailed advice for improving each mode of transportation, the book offers guidance on balancing the needs of each mode against each other, whether on a downtown street, or a small town neighborhood, or a regional network.

Sustainable Transportation in the National Parks

The 30,400-energy efficiency advantage of freight trains over cars drives our comprehensive system, saving you money. Autonomous electric vehicles deliver: medications just-in-time, food and beverages on-demand, and even you in your chair, saving you time. Smaller vehicles nest inside larger ones for speed and efficiency. Fast Continuous Convoys take you non-stop with 10 times the capacity of cars, and 100 times the energy efficiency. Your travel is protected inside Autonomous-Ways. Efficient infrastructure systems inside the Autonomous-Ways replace today's failing pipes and wires. High speed transportation corridors are the foundation for sustainable Linear Cities. See why you will want to live here!

National Garrett Morgan Sustainable Transportation Symposium

"This book examines contemporary transportation issues through the lens of various modes of transportation (aviation and airports, inland and short sea shipping, public transit and more) while also focusing on the importance of sustainability, urban planning, and funding. All chapters will provide managerial and policy focus to contemporary transportation issues"--

Making Urban Transport Sustainable

While modern cities continue to grow and become more efficient in many sectors as their population increases, public transportation has not yet caught up. As a significant industry in contemporary society, further progress in transportation systems is more vital than ever. Engineering Tools and Solutions for Sustainable Transportation Planning is an informative reference source that outlines why current transportation systems have become inefficient in modern societies, and offers solutions for the improvement of transportation infrastructures. Highlighting key topics such as parking organization, car ownership, energy consumption, and highway performance, this is a detailed resource for all practitioners, academics, graduate students, and researchers that are interested in studying the latest trends and developments in the transportation

sector.

Sustainable Logistics and Strategic Transportation Planning

During the last two decades, sustainability has become the dominant concern of transportation planners and policymakers. This timely text provides a framework for developing systems that move people and products efficiently while minimizing damage to the local and global environment. The book offers a uniquely comprehensive perspective on the problems surrounding current transportation systems: climate change, urban air pollution, diminishing petroleum reserves, safety issues, and congestion. It explores the full range of possible solutions, including applications of pricing, planning, policy, education, and technology. Numerous figures, tables, and examples are featured, with a primary focus on North America.

Driving Tomorrow

Transportation, Land Use, and Environmental Planning examines the practices and policies linking transportation, land use and environmental planning needed to achieve a healthy environment, thriving economy, and more equitable and inclusive society. It assesses best practices for improving the performance of city and regional transportation systems, looking at such issues as public transit and non-motorized travel investments, mixed use and higher density urban development, radically transformed vehicles, and transportation systems. The book lays out the growing need for greater integration of transportation, land use, and environmental planning, looking closely at changing demographic needs, public health concerns, housing affordability, equity, and livability. In addition, strategies for achieving these desired outcomes are presented, including urban design and land use planning, regional and corridor-level transit plans, bike and pedestrian improvements, demand management strategies, and emerging technologies and services. The final part of the book examines implementation challenges, considering lessons from the US and around the globe at both local and regional levels. Introduces never-before-published research Offers best practices for transit, cycling, urban design and housing provision Assesses emerging developments, such as smart cities, new vehicle technologies, automated highways and transportation sharing Examines the institutional and political dimensions of sustainability planning at the urban and regional levels Utilizes case studies from around the world that show alternative ways forward

Sustainable Transportation in Canada : State of the Debate

Oak Ridge National Laboratory's (ORNL's) Sustainable Transportation Program (STP) works with government and industry to develop scientific knowledge and new technologies that accelerate the deployment of energy-efficient vehicles and intelligent, secure, and accessible transportation systems. Scientists are tackling complex challenges in transportation

using comprehensive capabilities at ORNL's National Transportation Research Center and the laboratory's signature strengths in high-performance computing, neutron sciences, materials science, and advanced manufacturing. Research focuses on electrification, efficiency of combustion and emissions, data science and automated vehicles, and materials for future systems. Highlights from 2016 include: Electrification, Efficiency of combustion and emission controls, Data science and automated vehicles, and Materials for future systems. This annual report is a short summary and snapshot featuring several other accomplishments from the STP team. From motors that achieve higher power density without rare earth materials to thought leadership on combustion as a continuum to new technologies in multimaterial joining and vehicle cybersecurity, ORNL researchers are shaping the future of transportation. Related items: Transportation & Navigation publications can be found here: https://bookstore.gpo.gov/catalog/transportation-navigation Biofuels & Renewable Energy publications can be found here: https://bookstore.gpo.gov/catalog/biofuels-renewable-energy Energy & Fuels publications can be found here: https://bookstore.gpo.gov/catalog/energy-fuels Engineering publications can be found here: https://bookstore.gpo.gov/catalog/engineering

Institutional Barriers to Sustainable Transport

Synthesizes the most important work on transportation in parks and outdoor recreation over the past two decades

The Geography of Transport Systems

As cities become increasingly congested, current transport patterns are unsustainable: heavy in energy use, high in economic and environmental cost, and exacerbating inequity between those who can access high-speed travel and those who cannot. Good urban planning develops human-scale cities and encourages modes such as bicycles, increased zones exclusive to pedestrians within cities, and changed fiscal policies to incentivize public over private transport. Equally, it requires good engineering design to manage road use. Sustainable Approaches to Urban Transport brings together contributions from leading international experts in urban planning, transport, and governance who suggest changes to make our cities more sustainable in the face of climate change. All professionals working in transport and engineering and planning students will find an overview of a broad field in this interdisciplinary collection of essays.

An Introduction to Sustainable Transportation

This report presents a review of the domestic and international literature on sustainable transportation, and combines this with the results of interviews on sustainable transportation with key governmental and non-governmental organizations. The first chapter summarizes some of the trends that have led researchers and other commentators to conclude that

transportation has become unsustainable. it reviews the most serious impacts of unsustainable trends in transportation, including health impacts and global climate change, and also addresses the relative contribution of different modes to the unsustainability of transportation in Canada. Chapter 2 outlines elements of analysis as well as policy and program development, describing broad tools that have been used or considered in policy development for sustainable transportation. Chapter 3 summarizes specific policy options that have been studied and/or implemented in Canada and internationally, and describes associated jurisdictional and timing issues.

Future Drive

Transportation and Public Health: An Integrated Approach to Policy, Planning, and Implementation helps current and future transportation professionals integrate public health considerations into their transportation planning, thus supporting sustainability and promoting societal health and well-being. The book defines key issues, describes potential solutions, and provides detailed examples of how solutions have been implemented worldwide. In addition, it demonstrates how to identify gaps in existing policy frameworks. Addressing a critical and emerging urgent need in transportation and public health research, the book creates a coherent, inclusive and interdisciplinary framework for understanding. By integrating principles from transportation planning and engineering, health management, economics, social and organizational psychology, the book deepens understanding of these multiple perspectives and tensions inherent in integrating public health and transportation planning and policy implementation. Bridges the gap between transport and public health, two fields that have traditionally traveled on separate and parallel tracks Synthesizes key research and practice literature Includes teaching and learning aids, such as case studies, chapter objectives, summaries and discussion questions

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION