Summary

Todd Litman is founder and executive director of the Victoria Transport Policy Institute, an independent research organization dedicated to developing innovative solutions to transport problems. His work helps expand the range of impacts and options considered in transportation decision-making, improve evaluation methods, and make specialized technical concepts accessible to a larger audience. His research is used worldwide in transport planning and policy analysis.

Mr. Litman has worked on numerous studies that evaluate transportation costs, benefits and innovations. He authored New Mobilities: Smart Planning for Emerging Transportation Technologies which examines the benefits, costs and equity impacts of new transportation modes and services; the Online TDM Encyclopedia, a comprehensive Internet resource for identifying and evaluating mobility management strategies; Transportation Cost and Benefit Analysis: Techniques, Estimates and Implications, a comprehensive study which provides cost and benefit information in an easy-to-apply format; and Parking Management Best Practices, a comprehensive book on innovative management solutions to parking problems.

Mr. Litman has worked as a research and planning consultant for a diverse range of clients, including government agencies, professional organizations, developers and non-government organizations. He has worked in more than two dozen countries, on every continent except Antarctica.

Mr. Litman is a frequent speaker at conferences and workshops. His presentations range from technical and practical to humorous and inspirational. He regularly blogs on the Planetizen website. He is active in several professional organizations including the Institute of Transportation Engineers (ITE), the Transportation Research Board (TRB, a section of U.S. National Academy of Sciences) and the Parking Reform Network.

In addition to technical writing, Todd has co-authored two travel books (Washington; Off the Beaten Path and Best Bike Rides in the Pacific Northwest) with his wife, Shoshana Litman. They reside in Victoria, British Columbia.
Work Experience

Executive Director, Victoria Transport Policy Institute
Todd Litman is founder and Executive Director of the Victoria Transport Policy Institute (VTPI), an independent research organization established in 1995. Mr. Litman performs research and policy analysis on a variety of issues, including economic analysis, full cost accounting, transportation demand management planning and evaluation, environmental and social impact analysis, equity analysis, multi-modal planning and transit program evaluation. Below are examples of his VTPI projects.

Contributed to SLOCAT Transport, Climate and Sustainability Global Status Report
Contributed to the 2023 Transport, Climate and Sustainability Global Status Report produced by the Sustainable Low Carbon Transportation (SLOCAT) partnership (http://tinyurl.com/49a6ypy9). Helped write Integrated Transport and Road Transport sections which describe policies for creating more efficient and sustainable transportation systems. (Client: SLOCAT; Time Period: March-June 2023)

Evaluate Autonomous Vehicle Equity Impacts
Developed framework for evaluating potential social equity impacts of connected and autonomous vehicles (CAVs) in Canada. Using a detailed literature review, identified potential benefits and costs of CAVs, and how those impacts are distributed between various groups. (Client: Transport Canada; Time Period: February-December 2022)

Interventions to Reduce Land Transport Greenhouse Gas Emissions
Helped identify and evaluate policy levers for achieving New Zealand’s transport emission reduction targets. This study focused on ways to change the generalized costs of travel to encourage shifts from automobile to more resource-efficient modes in major urban areas. It identified policy instruments for changing these costs, and investigated methods for modelling these impacts. (Client: Waka Kotahi NZ Transport Agency; Time Period: May-October 2022)

Helped Develop Commute Duration Dashboard
Helped design and develop the Mineta Transportation Institute’s Commute Duration Dashboard (https://transweb.sjsu.edu/research/2064-Commute-Duration-Dashboard-Guide) which produces custom heatmaps showing the average minutes per commute for geographic areas based on U.S. Census data. (Client: Mineta Transportation Institute; Time Period: May-July 2021)

Ridehailing Emission Impacts
Evaluated the impacts that ride-hailing services are likely to have on total vehicle travel and greenhouse gas emissions in New Zealand. (Client: Waka Kotahi; New Zealand Transport Agency; Prime contractor: Arup NZ; Time Period: April 2021 – March 2022)

Emission Reduction Planning

Managed Lane Development
Provided guidance for developing efficient and fair managed lanes, and assistance for responding to common criticisms. Led professional development workshops for policy makers, planners and the general public. (Client: Hillsborough MPO; Time Period: October 2020)
Developed Downtown Parking Management Strategy
Analyzed downtown Spartanburg’s parking supply, demand and policies. Proposed a set of policy reforms and practices that could result in more efficient management of existing parking supplies, so fewer new spaces will be needed to serve future demands. Lead stakeholder workshop. (Client: Spartanburg Chamber of Commerce [www.spartanburgchamber.com]; Time Period: June-Dec. 2019)

Edited Global Report

Helped Develop Smart Cities Challenge Proposal
Helped develop an Infrastructure Canada Smart Cities Challenge proposal for the Greater Victoria region. Identified various innovative transportation services and technologies suitable for implementation in our region, and analysis of their potential impacts and benefits. (Client: South Island Prosperity Project; Time Period: May-July 2018)

Helped Develop National Parking Strategy
Helped develop the Luxembourg National Parking Strategy component of the National Mobility Plan (https://bit.ly/3N0Btqw). Identified various data sets needed for policy analysis, planning and research purposes, and appropriate ways to collect and manage those data so they are credible, consistent and accessible. (Client: Luxembourg Ministry of Sustainable Development and Infrastructure; Time Period: July 2018-Spring 2019)

Suburban CBD Parking and Transportation Demand Management Plans
Helped develop comprehensive parking and transportation management plans for the Parramatta Central Business District, in the Sydney, Australia region. Identified and evaluated various parking and transportation demand management strategies, and organized them into integrated plans. (Prime contractor: Jacobs Engineering; Client: City of Parramatta; Time Period: March-July 2018)

Major Development Parking Management Strategy
Helped develop a comprehensive parking management strategy for Kirchberg, a large mixed-use development in Luxembourg. This included evaluating the roles that various parking management strategies can play achieving strategic planning goals in this district, organizing them into an integrated, long-term parking management plan, and leading professional development workshops for planners, designers and developers. Report at https://bit.ly/3yCZkaf. (Prime contractor: Gehl Associates; Client: City of Luxembourg; Time Period: March-December 2018)

Town Center Parking Plan
Helped develop a comprehensive parking management plan for the town centre in Canmore, Alberta, a rapidly growing resort community. This included identifying and evaluating various parking management strategies, and working with stakeholders to develop an integrated parking management plan. (Client: City of Canmore; Time Period: April-July 2018)

Implications of New Mobility Services and Technologies on Parking Demand and Design
Produced a “Future Proof Parking Study” which investigated how emerging mobility services and technologies are likely to affect parking demands and facility design requirements at Google Corporation facilities. (Client: XL Construction; Time Period: January-March 2018)
Impacts of Ridehailing and Autonomous Vehicles on Commercial Parking Demands
Investigated how emerging vehicle services and technologies, such as ridehailing and autonomous vehicles, are likely to affect commercial parking demands, and ways that parking property owners can minimize risks and maximize asset value. (Client: proprietary; Time Period: Oct.-Dec. 2017)

Commute Options Economic Evaluation
Compared highway, bus, rail and ferry commute improvement options between Victoria and West Shore suburbs. Wrote the report, Comprehensive Evaluation of West Shore to Victoria Commute Options. (Client: Focus Equities/Westhills; Time Period: November 2016-February 2017)

Contributed to Analysis of Sprawl Costs in India

Transit Funding Options Analysis
Identified and evaluated potential local funding options for financing Nashville, Tennessee’s iMotion strategic transit plan. This involved a comprehensive review of transportation funding strategies used by cities around the world, creating a framework for evaluating these options according to eight criteria, consultation with various stakeholders concerning these options, and producing a detailed report, Evaluating Middle Tennessee Region Public Transportation Funding Sources. (Client: Nashville Chamber of Commerce; Time Period: April-November 2016)

Mobility on Demand Performance Indicators
Helped develop appropriate performance indicators for evaluating Mobility on Demand (MOD) transportation options such as ride hailing services. This included reviewing and evaluating potential indicators, participating in two workshops, and contributing to a report. (Client: US Federal Transit Administration; Time Period: September 2016-February 2017)

Parking Policy Reform
Provided expert testimony concerning the benefits of allowing developers to price parking in Oakville, Ontario, where it is currently forbidden by regulation. (Client: Healthcare Properties Holding; Time Period: August-October 2016)

Public Transit Safety Benefits Study
Performed a comprehensive study concerning public transportation traffic safety impacts. This research indicates that transit travel has about a tenth the traffic casualty (death and injury) rate as automobile travel, and transit-oriented communities have about a fifth the per capita traffic casualty rate as automobile-oriented communities, but these effects are generally overlooked in conventional traffic safety planning. Recommended strategies for communicating transit safety benefits. Produced the report, The Hidden Traffic Safety Solution: Public Transportation. (Client: American Public Transportation Association; Time Period: November 2015-April 2016)

Strategic Planning Expert Advisor
Participated as an expert advisor in the Dubai Masar Towards 2030 Workshop which developed the Emirate’s strategic transportation planning goals. This involved a detailed review of current transport policies and activities, and development of specific recommendations for addressing
transport problems and creating a more efficient and sustainable transportation system. (Client: Dubai Road and Transport Authority; Time Period: January 2016)

**Transportation Demand Management Plan Review**
Provided detailed evaluation of the TDM component of the Perth Transport Plan, including analysis of the effectiveness, costs and benefits of potential TDM strategies for the Perth and Peel regions, and recommendations for planning and implementation. (Client: Western Australia Department of Transportation; Project Manager: Ian Wallis; Time Period: November-December 2015)

**Environmentally Sustainable Transportation Conference Evaluation**

**Transportation Demand Management Plan Development**
Helped evaluate potential transportation demand management (TDM) strategies and lead a stakeholder workshop to develop a comprehensive TDM program as part of the Perth, Australia region’s long-term transportation plan. (Client: Western Australia Department of Transportation; Time Period: June – July 2015)

**Public Transit Planning Professional Development Workshop**
Lead a three-day professional development workshop for transportation planners concerning current best practices for evaluating and communicating public transit benefits. The workshop explored the roles that public transit plays in a modern, growing city, and methods for quantifying, maximizing and communicating those benefits in various situations. (Client: IETT, Istanbul, Turkey’s primary public transit service provider; Time Period: June 2015)

**Comprehensive Analysis of Sprawl Costs and Development Policy Distortions**

**Environmentally Sustainable Transportation Conference Backgrounder**

**Rural Community Public Transit Strategic Development**
Performed detailed analysis for the Yellowhead County, Alberta Community Transportation Study. Analyzed demographic and economic trends that increase rural transit demands, identified ways to
meet those demands, and developed specific planning recommendations. (Client: Yellowhead County, Alberta; Prime contractor: Opus International; Time Period: June-September 2014)

**Public Transit Strategic Development and Benefits Evaluation**
Provided support for creating a strategic public transit development vision, evaluating transit benefits, and identifying potential funding options suitable for a rapidly urbanizing region. Planned and lead public forums and professional development workshops that explored various public transit improvement benefits, and ways to communicate those benefits to decision-makers and the general public. PowerPoint presentation available at [http://coic2.org/transportation/regional-planning](http://coic2.org/transportation/regional-planning). (Client: Central Oregon Intergovernmental Council; Time Period: June-August 2014)

**Multi-Modal School Access Planning Lesson Plan**
Developed the *Multi-Modal School Transportation Planning: Part 1 and Part 2* for the American Clearinghouse on Educational Facilities website, available at [www.acefacilities.org/interactivelessons](http://www.acefacilities.org/interactivelessons). These lesson plans explore why and how to improve school walking and cycling access, and how to evaluate these benefits and communicate them to school decision-makers. (Client: American Clearinghouse on Educational Facilities. Time Period: October 2013 – March 2014)

**Sustainable Urban Development**
Helped update Abu Dhabi’s *Plan Capital 2030*. Through a planning charrette process with extensive stakeholder involvement, helped identify practical ways to incorporate social sustainability factors into the city of Abu Dhabi’s strategic development plan. These factors include public fitness and health, community cohesion (the quality of neighborhood interactions), basic mobility for non-drivers, and culture. (Client: Abu Dhabi Urban Planning Council. Time Period: September 2013)

**Transport Safety and Security Analysis**
Investigated transportation safety and security issues to consider for strategic planning in the Greater Vancouver region. Identified methods for measuring transport risks, and evaluated the relative risks of different modes, differences between actual and perceived risk, the impacts that perceived risk has on travel activity, methods for reducing risks, and implications for transport policy and planning. (Client: TransLink. Project Manager: Chris Quigley. Time Period: December 2011 - June 2012)

**Transportation Best Practices Evaluation Professional Development**

**Transportation Demand Management Professional Development Program**

**Public Transit Funding Options Evaluation**
Provided technical support for a special task force that identified potential new local public transit funding options. This included developing a comprehensive framework for evaluating potential options from various perspectives, in order to provide a recommended package of preferred local funding options with an implementation strategy. This involved a survey and focus groups to help identify public concerns and preferences regarding funding options. Final report, *Regional Transit*

**Transportation Demand Management (TDM) in Chinese Cities Guidebook**

**Parking Management Policy Development**
Helped develop parking management plan for downtown Kingston. Investigated current and future parking problems and the role that more efficient parking management can play in helping to achieve strategic planning objectives. Identified various parking management strategies appropriate for downtown Kingston. Provided presentations and lead stakeholder workshops for public officials, planning practitioners, local businesses and residents. (Client: City of Kingston. Project Manager: Sheila Kidd. Time Period: July - October 2011)

**Comprehensive Transport Project Economic Evaluation Methodology Development**
Identified potential transport project assessment improvements. Defined sustainable development principles and their implications for transport planning, summarized current transport project evaluation best practices, identified ways to improve current practices, and recommended research to create better assessment tools suitable for use in developing country conditions. (Client: Asian Development Bank. Project Manager: Jamie Leather. Time Period: September 2010 to April 2011)

**Assessing Active Transport Benefits**
Investigated practical methods for evaluating the full benefits, including health benefits, of policies and programs that increase walking and cycling activity. Created an evaluation framework, and preliminary research on methods for quantifying and monetizing these impacts. Summary report, *Cost and Health Benefits of Active Transport in Queensland: Research and Review*. (Client: Queensland Transport. Project Manager: CATALYST. Time Period: July 2010 to March 2011)

**Downtown Parking Management Plan**

**Vehicle Insurance Pricing Reform Research**

**Community Energy and Emissions Reduction Plans**
Public Transit Benefits Evaluation

Transportation and Public Health Study

Campus Transportation and Parking Management Study
Helped develop a transportation and parking management plan for both Camosun College campuses. This includes consulting with stakeholders, identifying transportation problems and potential solutions, and developing specific recommendations for an integrated plan. (Client: Camosun College. Project Manager: Kathryn DeGros. Time Period: August-December 2008)

Public Bike Study
Helped evaluate the feasibility, costs, benefits and implementation requirements of developing a public bicycle rental system in the Vancouver region. (Client: TransLink. Project Manager: Jan Pezarro, Quay Communications. Time Period: January-May 2008)

Transportation Energy Plan

Dubai Urban Transportation Reforms
Lead presenter at one of the first professional development workshop for transport planners and engineers in the United Arab Emirates. Identified and evaluated urban transport policy reforms to increase transport system efficiency in the city of Dubai. Recommended strategies included efficient road pricing, parking pricing and management, pedestrian and cycling improvements, and public transit service improvements. Presented these recommendations to the Dubai Road and Transport Authority Board of Directors, April 2008. (Client: Dubai Road and Transport Authority. Time Period: January-April 2008.)

Connected Urban Development
Served as a special advisor on transportation and land use planning for the Connected Urban Development program (www.connectedurbandevelopment.org), which uses advanced technologies to improve mobility options in major cities, including personal handheld navigation devices,

**Municipal Parking Policy Review**
Reviewed current municipal parking policies, practices and challenges. Present workshops to city officials and community stakeholders concerning parking policy options. Identify potential parking policy reforms to support the city’s transportation and land use planning objectives. (Client: City of Coquitlam. Project Manager: Carlos M. Pérez. Time Period: August 2007- February 2008.)

**Transit Improvement Valuation Study**
Investigated public transit service improvement valuation. Analyzed the value transit passengers place on factors such as comfort, convenience and reliability; identified ways to quantify these factors by adjusting travel time unit costs; identified how such improvements affect travel behaviour. (Client: TransLink. Project Manager: Don Buchanan. Time Period: Jan.-Feb. 2007)

**Regional Energy Plan**
Helped develop a regional energy plan. Identified and evaluated potential transportation energy conservation and emission reduction strategies suitable for implementation by local and regional governments. (Client: Capital Regional District [www.crd.bc.ca]. Project Manager: Sheltair Scientific. Time Period: May-December 2006.)

**Urban Transit Program Development**
Presented at workshops on strategic urban transport planning and program development, particularly the roles of mobility management; walking, cycling and public transport service improvements; and smart growth land use policies. Helped convince local officials to develop Bus Rapid Transit (BRT) systems for the 2010 World Cup. (Client: South Africa Council for Scientific and Industrial Research. Project Manager: Christo Mynhardt. Time Period: June-July 2006.)

**National Study on Car-Less and Special Needs Evacuation Planning**
Coauthoring a study and best practices guide on the evacuation of car-less and special needs people during major disasters. Includes research of previous disaster evacuations, stakeholder surveys and analysis of best practices. (Client: Federal Transit Administration. Project Manager: Professor John Renne. Time Period: January 2006-January 2010.)

**Downtown Parking Management Evaluation**
Helped develop and evaluate parking mitigation strategies for the Alaskan Way Viaduct and Seawall Replacement (AWVSR) project, which will reduce parking supply in downtown Seattle, Washington during a three year construction period. (Client: Seattle Department of Transportation. Project Manager: Mary Catherine Snyder. Time Period: July-September 2006.)

**Improving Provincial Transit Pass Program**
Evaluated provincial program that provides subsidized transit passes to lower-income seniors and people with disabilities. Reviewed the programs goals and objectives, investigated opportunities to improve service delivery, helped develop long-term strategic objectives, and provided specific program improvement recommendations. (Client: British Columbia Ministry of Employment and Income Assistance. Project Manager: Jeanette Gault. Time Period: August-December 2006.)

**Biofuels Subsidy Study**
Evaluated Canadian ethanol and biodiesel subsidies as part of an international study. Coauthored the report, *Biofuels: At What Cost? Government Support For Ethanol And Biodiesel In Canada*
Transportation Cost Study

Transportation Facility Land Valuation Study

City Mobility Management Program Best Practices Review
Helped develop mobility management policies and programs that encourage more efficient transportation and reduce per capita vehicle travel, in order to reduce local and regional transportation problems. (Client: City of Fort Collins, Colorado. With the Brendle Group. Time Period: January-May 2006)

Helped Develop Vehicle Operating Cost Estimates

Planning for Active Transportation and Health - Healthy Rural Roads Project
Investigated transportation and land use policies and programs to support public health objectives in Humboldt County, California. This project included research to identify strategies for reducing traffic crash risk and increasing physical activity in semi-rural communities. Presented results at workshops for the general public and public officials. (Client: Redwood Community Action Agency [www.rcaa.org]. With Nelson Nygaard Consulting. Time Period: Oct.-Dec. 2005)

Healthy Community Planning Best Practices: Population Health and Urban Form

Induced Travel Impacts Study
Performed analysis of the effects of increasing highway capacity into the city of Montreal, Quebec on vehicle traffic volumes, and the resulting impacts on traffic congestion, pollution emissions and other costs. (Client: Direction de santé publique de Montréal. Time Period: May, 2005)

Rail Transit Benefits Study
Evaluated Transit Investment Criticism

Congestion Management Best Practices

Public Transit Economic Evaluation

Resort Community Transportation Management Plan

Parking Tax Policy Evaluation
Helped evaluate the feasibility and impacts of various parking tax options for funding transportation in the Greater Vancouver region. Included research on various parking taxes, and analysis of their impacts on consumers, businesses, parking supply, parking price, travel patterns and land use. (Prime contractor: InterVISTAS [www.intervistas.com], for TransLink [www.translink.bc.ca] regional transportation authority. Time Period: November 2003)

Greenhouse Gas Emission Reduction Plan
Provided guidance on transportation emission reduction strategies for the city of Vancouver’s greenhouse gas emission reduction plan. Identified a variety of potential emission reduction strategies, predicted their potential emission reductions, and developed a framework for evaluating their full benefits and costs. (Prime contractor: Sheltair Scientific [www.sheltair.com], for City of Vancouver [www.vancouver.ca]. Time Period: Sept.-Dec. 2003)

Kingston, Jamaica Area Sustainable Transportation And Land Use Plan
**Transit Station Parking Strategy**
Developed parking policies and planning practices for implementation at new rail transit stations. This included developing an evaluation process to prioritize parking improvements, creating a menu of potential parking management strategies, and helping establish a planning process to determine which strategies are suitable for implementation at each site. (Project Manager: Robin Blair. Client: Los Angeles Metropolitan Transportation Authority [www.metro.net]. Time Period: Jan.-July 2003)

**Federal Policies to Support Active Transportation**
Produced a background paper that identifies ways to incorporate public health objectives into transport planning, and recommends specific federal policies to encourage more physically active transportation, to provide information for a workshop on Active Transportation involving high-level federal government officials ([www.vtpi.org/act_tran.pdf](http://www.vtpi.org/act_tran.pdf)). (Project Manager: Francine Godin. Client: Go For Green [www.goforgreen.ca]. Time Period: Feb.-April 2003)

**Transportation and Social Exclusion Research**

**University Transportation Management Program Planning**

**Evaluated Integrated Mobility Systems**
Helped to develop a model to predict the effects that an integrated, “smart card” electronic transit fare system can have on transit ridership and vehicle travel in the Toronto region. Developed an analysis framework and analyzed the effects of prices and convenience on transit demand. (Client: Integrated Mobility Systems Consortium, Toronto. Time Period: Sept.-Dec. 2002)

**Wrote Mobility Management Information Resource**

**TDM Program Evaluation**
Performed a detailed evaluation of the travel impacts, benefits and costs of the City of Seattle’s “Way To Go” program ([www.cityofseattle.net/waytogo](http://www.cityofseattle.net/waytogo)). Developed an analysis framework for evaluating the full benefits and costs of various mobility management programs. (Project Manager: CH2M Hill. Client: City of Seattle. Time Period: Jan. to April 2002)

**Transit Elasticity Values Review**
Reviewed and summarized information on transit price, service and cross-elasticities for modeling and planning applications in the Vancouver, BC region. (Client: TransLink. Time Period: March 2002)
Demand Management Emission Reduction Strategy Evaluation
Identified and evaluated potential transportation demand management strategies for reducing energy consumption and pollution emissions in the Vancouver region. Developed a model that predicts potential energy conservation and emission reduction benefits of each strategy. Discussed additional benefits (congestion reduction, safety, consumer savings, etc.), costs and barriers. (Client: Environment Canada. Time Period: February 2002 to April 2003)

Vanpool Program Development Opportunities

Evaluate Transportation Energy Conservation Options

Urban Transportation Showcase Program Proposal
Developed a multi-million dollar grant proposal for the Victoria region to submit to the Transport Canada Urban Transportation Showcase Program. This proposal included a variety of innovative strategies to encourage more efficient and sustainable transportation, including transit service improvements, new approaches to transit marketing, commute trip reduction programs and nonmotorized improvements. (Client: BC Transit. Time Period: Sept. 2001 to May 2003)

Rail Transit System Evaluation
Comprehensive evaluation of a proposed light rail system in the Victoria region. This project included identifying and quantifying the incremental benefits and costs of the proposed rail system, including impacts on travel patterns, traffic congestion, consumer costs, economic development, land use patterns, road safety and pollution emissions. Produced the Light Rail Economic Opportunity Study. (Client: Island Transformations, www.islandtransformations.org), funded by the Province of British Columbia. Time Period: Nov. 2001 to Sept. 2002)

Mobility Benefits of Passenger Transport
Performed a detailed analysis of the mobility benefits of passenger transport. This project involves examining the social benefits of public transit services, identifying methods to quantify these benefits, and developing a framework for evaluating them in transportation planning applications. (Project Manager: Booz-Allen & Hamilton, New Zealand. Client: TransFund New Zealand. Time Period: May to Dec. 2001)

Distance-Based Insurance Implementation Study
Helped to develop program guidelines and promotional materials for variable-priced (distance-based) automobile insurance. This project evaluated benefits and costs of different types of distance-based insurance from the perspective of various stakeholders, identifying barriers and opportunities, developing specific criteria that insurers must meet to be certified under the EPA program, and providing other technical assistance for program implementation. (Project Manager: ICF Consulting. Client: U.S. Environmental Protection Agency. Time Period: May to Dec. 2001)
**Distance-Based Insurance Feasibility Study**
Produced a comprehensive study of the benefits, costs and feasibility of distance-based vehicle insurance for a provincial insurance agency. This study involves analysis and comparison of the impacts of various distance-based insurance pricing options. Each option is evaluated in terms of various criteria, including actuarial accuracy, implementation costs, equity, consumer impacts, public acceptability, road safety, energy use and emissions, and economic impacts. (Client: Insurance Corporation of British Columbia. Time Period: Feb. to April 2001)

**Regional Planning Program Review**

**Parking Policy Review**

**Parking Management Study**

**Developed Online TDM Encyclopedia**
Developed the *Online TDM Encyclopedia*, a comprehensive transportation demand management information resource posted at the VTPI website, [www.vtpi.org](http://www.vtpi.org). This project included research on more than three-dozen TDM strategies (with special attention to their travel impacts, benefits, costs and equity impacts), writing more than 100 chapters totaling more than 1,500 pages of text, and managing an Internet website. (Time Period: January 2000 to ongoing.)

**Developed Interactive Internet Tool for Evaluating TDM Options**
Developed a prototype “Interactive Transportation Demand Management Database and Analyzer,” an Internet-based tool, suitable for use by planning professionals and a general audience, that provides information about various TDM strategies and helps predict TDM program impacts. Included a searchable database with detailed information about TDM strategies, and an interactive model to calculate the effects that a particular TDM project on vehicle travel, congestion, emission, public finance and consumer costs. (Client: Environment Canada. Time Period: March to July 2000)

**Evaluated Urban Development Costs**
Co-Researcher on the study *Analysis Of The Costs Of Urban Development*. This study examines the costs of alternative development patterns, including variations in economic, social and environmental costs. (Project Manager: Simon Worsey. Client: Department Of Transport, Western Australia. Time Period: September 2000 to January 2001)

**Evaluated The Status of TDM in the Vancouver Region**
Wrote, *Shifting Gears*, a report that evaluates the status of transportation demand management efforts in the Vancouver, BC region. This involved a detailed evaluation of current and planned TDM activities in the region, identification of opportunities for better coordination among stakeholders, and analysis of potential benefits. (Client: Environment Canada. Time Period: Jan. to May 2000)
**Social and Economic Impacts Guidebook**  
Project Manager: David Forkenbrock, Public Policy Center, University of Iowa. (Client: Transportation Research Board. Time Period: June 1999 to Oct. 2000)

**Developed Pedestrian and Bicycle Planning Guidebook**  

**Evaluated Campus Trip Management Program**  
Evaluated the economic impacts of the UBC TREK program, a university campus TDM program ([www.vtpi.org/utrek.pdf](http://www.vtpi.org/utrek.pdf)). (Client: UBC TREK program. Time Period: June 1999)

**Comprehensive Study of Distance-Based Vehicle Insurance Pricing**  

**Helped Develop School Trip Management Guidebook**  
Provided technical support in developing a guidebook for programs to encourage parents to use alternative modes when taking children to grade schools. (Client: Way To Go Program. Time Period: March to April 1998)

**Identified and Evaluated Potential State Level Transportation Market Reforms**  
Identified and evaluated seventeen potential transportation market reforms. Developed a spreadsheet model that identified the costs, travel and emission impacts, and revenue of these reforms. Wrote, *Road Relief; Tax and Pricing Shifts for a Fairer, Cleaner, and Less Congested Transportation System in Washington State*. Co-authors: Charles Komanoff and Douglas Howell. (Client: Energy Outreach Center with USEPA funding. Time Period: May to Oct. 1998)

**Evaluated Public Transit Benefits**  
Evaluated the benefits of public transit improvements on the Lion’s Gate Bridge, Vancouver, BC. (Client: B.C. Transportation Financing Authority. Time Period: May 1998)

**Framework for Estimating The Full Costs of Motor Vehicle Crashes**  
Developed analysis model and guidebook for estimating the total costs motor vehicle crashes and crimes impose on specific geographic communities in British Columbia. (Client: Insurance Corporation of British Columbia. Time Period: May to Dec. 1997)

**Regional Transportation Authority Negotiation Support**  
Provided technical support for development of the Greater Vancouver Transportation Authority. (Client: Provincial negotiators. Time Period: May to July 1997)

**Evaluated Tax Exempt Transit Benefits**  
Distance-Based Pricing Evaluation
Study of the feasibility of marginalizing automobile insurance and other fixed user costs as a transportation demand management strategy. (Clients: BC Transportation Finance Authority and the Greater Vancouver Regional District. February to June 1996)

Transportation Costing Analysis Framework

Compared Rail and Bus Transit for Resort Community
Study comparing the full costs and benefits of rail and bus transit options. (Client: City of Aspen, Colorado. Time Period: July to Oct. 1996)

Transit Benefit Analysis

Website and Software Development
Developed Victoria Transport Policy Institute website, Transportation Cost Analyzer software and documentation. (Time Period: 1995 to 1996)

Comprehensive Cost Study: City of Edmonton
Comprehensive transportation cost study for the city of Edmonton, Alberta. (Project Manager: KPMG. Client: City of Edmonton Transportation Dept. Time Period: March to June 1996)

Comprehensive Cost Study: Santiago

Least Cost Planning Review

Transportation Research Analyst
Consultant to British Columbia Ministry of Transportation and Highways (Victoria), 1993 to 1994. Performed economic and policy research on transportation’s environmental and social costs. Developed specific cost estimates for incorporation into the Ministry’s economic analysis models.

Energy Specialist
Washington State Energy Office (Olympia), June 1989 to May 1993. Coordinated, managed and supported industrial energy conservation programs, project planning and budgeting; contract development and management; MotorMaster software development and marketing, research and analysis; database and spreadsheet development; computer bulletin board management, and grant program management.

Water Resources Program Research Assistant
Lobbyist and Program Coordinator
Managed legislative program, performed research, produced newsletter and educational material, coordinated membership promotion, and general organizational development.

Bicycle Shop Manager
Capital Schwinn (Olympia), October 1983 to June 1988.
Education
Masters of Environmental Studies, Evergreen State College (Olympia, Washington), 1995.
BA, with emphasis on urban planning, Evergreen State College (Olympia, Washington), 1983.

Teaching
Designed and taught, Transportation Equity Fundamentals I & II, University of Florida Transportation Institute (https://mctrans.ce.ufl.edu/training/equity-certification-training), 2021-present.
Adjunct Professor, School of Community and Regional Planning (SCARP), University of British Columbia (www.scarp.ubc.ca/faculty%20profiles/litman.htm), 2008-2010.
Urban Transportation Planning (Planning 548A), University of British Columbia, 2008.
Transportation Land Use Impacts, professional development workshop for the Association of Professional Engineers and Geoscientists of BC (www.apeg.bc.ca), 2006 and 2007.
Land Use & Coastal Zone Management, ES419, Bachelor of Science in Environmental Management, Royal Roads University, May 2006.
Urban Transportation and Land Use Planning, GEOG 444 S01, Department of Geography, University of Victoria, Spring Session 2000 and Summer Session 2001.

Professional Affiliations
Parking Reform Network (https://parkingreform.org), board member, 2021-present.
Institute of Transportation Engineers (www.ite.org), member of the Vancouver Island Section Executive Committee, 1999-2021, member of Parking Council, Sustainability Standing Committee, and Transportation Health Standing Committee. Received CITE 2022 Outstanding Voluntary Contribution Award.
Sustainable Low Carbon Transport Partnership (www.slocat.net).
World Congress for Transportation Research (www.wctrs.org), 2004-present.
Transportation Research Board, National Academy of Sciences (www.trb.org). Appointed to:
• Transportation Economics Committee (ABE 20), 2006-2009.
• Committee on Transportation and Sustainability (ADD40), 2010 to 2015.
• Chair of Sustainable Transportation Indicators Subcommittee (ADD40[1]), 2010 to 2014.
• Environmental Justice Committee (ADD 50), 2012 to 2020.
• Committee on Equity in Transportation (AME10), 2020 to present.
• Special Task Force on Data for Decisions and Performance Measures (A0030T).
Mr. Litman frequently blogs on the Planetizen website (www.planetizen.com/user/2394).


Michael W. Mehaffy, Jorge Rogat, Todd Litman, Begonia Gutierrez Figueroa and Talat Munshi (2022), The Road Forward: Cost-Effective Policy Measures to Decrease Emissions from Passenger


Todd Litman (2015), *Comprehensive Evaluation of Complete Streets Policies: The Value of Designing Roads For Diverse Modes, Users and Activities* (www.vtpi.org/compstr.pdf) and When Are Bus Lanes


Contributed material for chapters 6 (Urban Transportation) and 9 (Transport Planning and Policies) to the *Transport Geography on the Web* (www.people.hofstra.edu/geotrans) Internet site.


Todd Litman (2000), Shifting Gears; Transportation Demand Management in the Vancouver Region.


Gordon Lovegrove and Todd Litman (1999), UBC TREK Program Evaluation; Costs, Benefits and Equity Impacts of a University TDM Program, with Gordon Lovegrove, UBC TREK Program (www.trek.ubc.ca).


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- Are Vehicle Travel Reduction Targets Justified? Evaluating Mobility Management Policy Objectives Such As Targets To Reduce VMT And Increase Use Of Alternative Modes
- Automobile Dependency and Economic Development (with Felix Laube)
- Autonomous Vehicle Implementation Predictions: Implications for Transport Planning
- Build for Comfort, Not Just Speed: Valuing Service Quality Impacts In Transport Planning
- Carbon Taxes: Tax What You Burn, Not What You Earn
- Changing Vehicle Travel Price Sensitivities: The Rebounding Rebound Effect
- Cities Connect: How Urbanity Helps Achieve Social Inclusion Objectives
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- Comparing Emission Reduction Strategies
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- Distance-based Charges; A Practical Strategy for More Optimal Pricing
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- Evaluating Transit Accessibility: 'Inclusive Design' Performance Indicators For Public Transportation In Developing Countries (with Tom Rickert)
- Evaluating Transportation Equity
- First Resort; Resort Community Transportation Demand Management
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- Guide to Calculating Mobility Management Benefits
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- Issues in Sustainable Transportation (with David Burwell)
- Land Use Impact Costs of Transportation
- Land Use Impacts On Transport: How Land Use Factors Affect Travel Behavior
- Lessons From Katrina and Rita: What Major Disasters Can Teach Transportation Planners
- Measuring Transportation: Traffic, Mobility and Accessibility
- Managing Personal Mobility Devices On Nonmotorized Facilities (with Robin Blair)
- Mobility As A Positional Good: Implications for Transport Policy and Planning
- Online TDM Encyclopedia
- Pandemic-Resilient Community Planning
- Parking Management: Strategies, Evaluation and Planning
- Parking Requirement Impacts on Housing Affordability
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- Rethinking Malahat Solutions: Or, Why Spend A Billion Dollars If A Five-Million Dollar Solution Is Better Overall?
- Safe Travels: Evaluating Mobility Management Traffic Safety Impacts (with Steven Fitzroy)
- Selling Smart Growth: Communicating the Direct Benefits of More Accessible, Multi-Modal Locations to Households, Businesses and Governments
- Short and Sweet: Analysis of Shorter Trips Using National Personal Travel Survey Data
- Smart Transportation Emission Reduction Strategies
- Smart Congestion Relief: Comprehensive Evaluation Of Traffic Congestion Costs and Congestion Reduction Strategies
- Socially Optimal Transport Prices and Markets
- Sustainability and Livability: Summary of Definitions, Goals, Objectives and Performance Indicators Sustainable Transportation Indicators
- Terrorism, Transit and Public Safety: Evaluating The Risks
- The Costs of Automobile Dependency
- The Value of Downtown
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- Transportation Cost and Benefit Analysis; Techniques, Estimates and Implications
- Understanding Smart Growth Savings: What We Know About Public Infrastructure and Service Cost Savings, And How They are Misrepresented By Critics
- Urban Sanity: Understanding Urban Mental Health Impacts and How to Create Saner, Happier Cities
- Valuing Transit Service Quality Improvements: Considering Comfort and Convenience In Transport Project Evaluation
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- Where We Want To Be: Home Location Preferences And Their Implications For Smart Growth
- Well Measured: Developing Indicators for Comprehensive and Sustainable Transport Planning
- Whose Roads? Defining Bicyclists and Pedestrian’s Right to Use Public Roadways
- Win-Win Transportation Emission Reduction Strategies: Smart Transportation Strategies Can Reduce Pollution Emissions And Provide Other Important Economic, Social and Environmental Benefits
- Win-Win Transportation Solutions: Mobility Management Strategies That Provide Economic, Social and Environmental Benefits.
Presentations

Mr. Litman frequently presents at conferences, professional development workshops and public education events. Below are some examples.

The New Mobilities: Smart Planning for Emerging Transportation Technologies ([https://youtu.be/-kEwi-v8lk](https://youtu.be/-kEwi-v8lk)), 7 September 2021, presentation at the MOVE Asia 2021 Conference.

The New Mobilities: Smart Planning for Emerging Transportation Technologies ([https://bit.ly/3jNU1gx](https://bit.ly/3jNU1gx), 11 August 2021, Eno Foundation Webinar. New transportation technologies are coming online faster than ever. While many of these emerging technologies are helping to expand our world, they need to be evaluated critically.


Transportation Planning Lessons from the Pandemic - CITE Vancouver Island ([www.youtube.com/watch?v=DA_5Y0w0QNo](www.youtube.com/watch?v=DA_5Y0w0QNo)), 4 March 2021. The COVID-19 pandemic is affecting our lives and communities in countless ways, including travel demands. This interactive presentation explored key lessons for transportation practitioners.

Autonomous Vehicle Implementation: Implications for Transportation Planning ([www.youtube.com/watch?v=5-qE0rQ6ytU](www.youtube.com/watch?v=5-qE0rQ6ytU)), Smart Growth Implementation Clearinghouse. Discusses how autonomous vehicles are likely to affect future travel and development patterns.

Sustainable Transportation Planning in India ([www.youtube.com/watch?v=FFxv2ELKiM](www.youtube.com/watch?v=FFxv2ELKiM)), 2 December 2020. Presentation for the SURATi iLAB Foundation of Smart City Surat.


Urban Planning for Future Regional Sky Transit ([www.youtube.com/watch?v=a6BOQnjxWfw](www.youtube.com/watch?v=a6BOQnjxWfw)). Video of Todd Litman’s 2018 Sustainable Aviation Symposium presentation concerning the potential benefits of urban air taxis.


Healthy Solutions to Climate Risks presented at the September 2018 Global Climate and Health Forum (www.globalclimateandhealthforum.org) in San Francisco. It highlighted win-win strategies that can reduce climate change emissions and achieve other health objectives.


Transit-Walkability Collaborative Webinar (http://bit.ly/2p48xGr). Webinar described research concerning the health, safety, economic and social equity benefits of walkable, transit-rich communities, and practical ways to advocate for such development.


Congress for New Urbanism (www.cnu.org), May 2-5, Seattle, Washington. Presentations by Peter Katz and Todd Litman summarized research on 'Selling Smart Growth' (www.vtpi.org/ssg), which points out that compact, multi-modal development provides many often-overlooked direct benefits to residents, businesses and local governments.


www.vtpi.org/documents/resume.pdf