



## Todd Litman

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[www.vtpi.org/documents/resume.pdf](http://www.vtpi.org/documents/resume.pdf)

### 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 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](http://Planetizen.com) website. He is active in several professional organizations including the Institute of Transportation Engineers (ITE) and the Transportation Research Board (TRB, a section of U.S. National Academy of Sciences).

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), is 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.

### **Emission Reduction Planning**

Helped develop national land transport emission reduction plan evaluation framework. (Client: Waka Kotahi New Zealand Transport Agency; Time Period: Sept.- Dec. 2020)

### **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 MP; 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](http://www.spartanburgchamber.com)); Time Period: June-Dec. 2019)

### **Edited Global Report**

Edited the report, *Global Roadmap of Action: Toward Sustainable Mobility, Paper 2, Universal Urban Access* (<https://bit.ly/2NI5xzL>). Included research and analysis of urban mobility trends and needs, and organizing information on sustainable transportation strategies (Client: Sustainable Mobility for All ([www.sum4all.org](http://www.sum4all.org)) and the World Bank (<http://worldbank.org>); Time Period: Oct. 2018-April 2019)

### **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 define data collection best practices for the Luxembourg National Parking Strategy. 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. (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**

Helped develop a framework for analyzing the various economic, social and environmental costs of sprawl in India. Contributed to the report, *Better Cities, Better Growth: India's Urban Opportunity. Synthesis Paper for Policy Makers* (<http://bit.ly/2ITwEU3>). (Client: London School of Economics, on behalf of the World Resources Institute, and the New Climate Economy Cities Program [www.newclimateeconomy.net](http://www.newclimateeconomy.net); Time Period: October 2014 – January 2015)

### **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**

Commissioned to perform a comprehensive evaluation and present a keynote speech at the *Ninth Regional EST Forum in Asia* (<http://bit.ly/1NWM93g>), a major international conference held 17-20 November in Kathmandu, Nepal. Provided conference support and produced the report titled, *Major Challenges, Progress and Achievements by Asian Countries on the Implementation of EST Policies and Measures from Aichi (2005) to Kathmandu (2015)*. (Client: United Nations Centre for Regional Development; Time Period: October 2015-March 2016)

### **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**

Performed research on the costs and benefits of various development patterns, optimal development policies, potential policy distortions that result in economically excessive sprawl, and

developed a framework for estimating the incremental costs of sprawl. Produced a detailed report, *Analysis of Public Policies That Unintentionally Encourage and Subsidize Urban Sprawl* (<http://bit.ly/1EvGtIN>). (Client: London School of Economics, on behalf of the New Climate Economy Cities Program at [www.newclimateeconomy.net](http://www.newclimateeconomy.net); Time Period: Oct. 2014 – Jan. 2015)

#### **Environmentally Sustainable Transportation Conference Backgrounder**

Commissioned to write a comprehensive 58-page backgrounder and keynote presentation for the *Eighth Regional EST Forum in Asia* ([www.baq2014est.org](http://www.baq2014est.org)), a major international conference held 19-21 November in Colombo, Sri Lanka. Provided conference support and produced the report titled, *Implementing Transport Policies and Programmes toward Realizing “Bali Vision Three Zeros - Zero Congestion, Zero Pollution, and Zero Accidents towards Next Generation Transport Systems in Asia”* ([www.uncrd.or.jp/content/documents/21438EST-P1-BGP\\_VITP.pdf](http://www.uncrd.or.jp/content/documents/21438EST-P1-BGP_VITP.pdf)). (Client: United Nations Centre for Regional Development; Time Period: October-December 2014)

#### **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>. (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**

Planned and presented professional development workshops on comprehensive and multi-modal transport planning for planners, economists and policy analysts, for the Asian Transport Forum 2012. (Client: Asian Development Bank. Project Manager: Lloyd Wright. Time Period: Nov. 2012)

### **Transportation Demand Management Professional Development Program**

Planned and presented professional development workshops on sustainable transport planning and transportation demand management for planners and engineers in South Africa. (Client: South African Institution of Civil Engineering. Project Manager: Andre Frieslaar. Time Period: Sept. 2012)

### **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 Local Funding Options* (<http://tinyurl.com/pyq9dez>) (Client: Capital Regional District and BC Transit. Project Manager: Marg Misek-Evans. Time Period: November 2011 – Sept. 2012)

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

Coauthored the report, *Reducing Carbon Emissions through Transport Demand Management Strategies: Review of International Examples* ([www.tdm-beijing.org/files/International\\_Review.pdf](http://www.tdm-beijing.org/files/International_Review.pdf)) for the Beijing Transportation Research Center and Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ). Identified various TDM strategies, described examples of their implementation in cities around the world, and evaluated their potential impacts in Chinese cities. (Client: GIZ. Project Manager: Daniel Bongardt. Time Period: Sept. 2011 – March 2012)

### **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**

Helped develop parking management plan for downtown Whitehorse, Yukon. Reviewed existing parking planning practices. Identified potential parking management strategies and policy reforms. Presented options to city officials and community groups. Provided recommendations. (Client: City of Whitehorse. Project Manager: Boulevard Transportation Planning. Time Period: June-July 2010)

### **Vehicle Insurance Pricing Reform Research**

Performed detailed analysis of the benefits, costs and obstacles to implementing pay-as-you-drive vehicle insurance. Produced *Pay-As-You-Drive Vehicle Insurance in British Columbia*, ([www.vtpi.org/paydbc.pdf](http://www.vtpi.org/paydbc.pdf)) backgrounder report. (Client: Pacific Institute for Climate Solutions [[www.pics.uvic.ca](http://www.pics.uvic.ca)]). Project Manager: Dr. Thomas Pedersen. Time Period: May 2010-June 2011)

### **Community Energy and Emissions Reduction Plans**

Helped develop Community Energy and Emission Reduction Strategies (CEERS) for Langford and Colwood. Provides guidance on transportation and land use policies that support energy conservation and emission reduction objectives. (Client: cities of Langford and Colwood. Project Manager: Jordan Fisher of Jordan Fisher & Associates. Time Period: May 2009-January 2010)

### **Public Transit Benefits Evaluation**

Performed analysis of the full benefits of public transportation, including public health and economic development. Analyzing the degree to which current planning accounts for these benefits. Produced the report, *Evaluating Public Transportation Health Benefits* ([www.vtpi.org/tran\\_health.pdf](http://www.vtpi.org/tran_health.pdf)). (Client: American Public Transportation Association. Project Manager: Robert Padgette. Time Period: December 2008-November 2009)

### **Transportation and Public Health Study**

Performed research on the effects transport patterns have on public health and ways to incorporate health objectives into transportation policies and planning practices. Presented preliminary findings at the *Linking Transportation Policy and Public Health* conference, November 13-14. Final results were published in the book, *Equitable Transportation Policy: Recommendations and Research*. (Client: US Center of Disease Control and the Healthy Eating and Active Living Convergence Partnership [[www.convergencepartnership.org](http://www.convergencepartnership.org)]). Project Manager: Professor Stephanie Pollack, Northwestern University. Time Period: Oct. 2008-Nov. 2009)

### **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 Pizarro, Quay Communications. Time Period: January-May 2008)

### **Transportation Energy Plan**

Identified national, regional and local strategic policies for managing transportation challenges associated with rising oil prices. Developed estimates of future transport energy demands, projected fuel prices and optimal policies to address uncertain and possibly variable and rising fuel prices. Coauthored the report, *Managing Transport Challenges When Oil Prices Rise*

([www.ltsa.govt.nz/research/reports/357.pdf](http://www.ltsa.govt.nz/research/reports/357.pdf)). (Client: New Zealand Transport Agency. Project Manager: McCormick Rankin Cagney. Time Period: May-August 2008.)

### **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](http://www.connectedurbandevelopment.org)), which uses advanced technologies to improve mobility options in major cities, including personal handheld navigation devices, electronic public transit information and payment systems, and road pricing. (Client: Cisco Systems and the Clinton Foundation. Project Manager: Nicola Villa. Time Period: Aug. 2007- Dec. 2009.)

### **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](http://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* (Client: International Institute for Sustainable Development [[www.iisd.org](http://www.iisd.org)]. Project Manager: Ron Steenblik. Time Period: March, 2006 – April 2009.)

### **Transportation Cost Study**

Coauthored a comprehensive study assessing the sustainability of Nova Scotia's transportation system using various indicators and cost categories. Provided recommendations for improving transport efficiency, affordability and sustainability. Published as *The GPI Transportation Accounts: Sustainable Transportation for Nova Scotia - Measuring Sustainable Development*. (Client: GPI Atlantic [[www.gpiatlantic.org](http://www.gpiatlantic.org)]. Project Manager: Ronald Colman. Time Period: Jan.-Dec. 2006.)

### **Transportation Facility Land Valuation Study**

Helped develop transportation facility land valuation methods for various modes and locations. Published as *A Report On The Estimation Of Unit Values Of Land Occupied By Transportation Infrastructures In Canada* ([www.vtppi.org/TC\\_Landvalue.pdf](http://www.vtppi.org/TC_Landvalue.pdf)) (Client: Transport Canada. Project Manager: Professor Clarence Woudsma. Time Period: Nov. 2005-June 2006)

### **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**

Contributed information on vehicle depreciation, insurance and parking costs for the report, *Estimation of Costs of Cars and Light Truck Use per Vehicle-Kilometre in Canada*. (Client: Transport Canada. With Ray Barton Associates Ltd. Time Period: Nov. 2005-March 2006)

### **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](http://www.rcaa.org)]. With Nelson Nygaard Consulting. Time Period: Oct.-Dec. 2005)

### **Healthy Community Planning Best Practices: Population Health and Urban Form**

Investigated how urban form affects community health, including physical activity and fitness, crash risk, pollution exposure, community cohesion, and mental health, and how to create healthier communities. Produced, *Promoting Public Health Through Smart Growth* ([www.vtpi.org/sgbc\\_health.pdf](http://www.vtpi.org/sgbc_health.pdf)). (Client: Smart Growth BC [[www.smartgrowth.bc.ca](http://www.smartgrowth.bc.ca)]. Time Period: June-Sept. 2005)

### **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**

Performed a comprehensive evaluation rail transit impacts on transportation system performance in U.S. cities. Produced the report *Rail Transit in America: Comprehensive Evaluation of Benefits*, and presented results at the Transportation Research Board annual meeting, January 2005. (Funding: American Public Transportation Association. Time Period: Sept.-Dec. 2004)

### **Evaluated Transit Investment Criticism**

Evaluated the paper “Light Rail: Boon or Boondoggle” by Molly D. Castelazo and Thomas A. Garrett, which argues rail transit is economically inefficient and more costly than alternative transportation improvement investments. Prepared a detailed report that identifies various errors and omissions in Castelazo and Garrett’s paper ([www.cmt-stl.org/images/litman.pdf](http://www.cmt-stl.org/images/litman.pdf)). (Client: Citizens for Modern Transit [[www.cmt-stl.org](http://www.cmt-stl.org)]. Time period: July-August 2004)

### **Congestion Management Best Practices**

Provided technical support for the Washington DC Downtown Congestion Management Task Force. Included research to identify congestion management strategies suitable for a large city central business district. (Project manager: Volpe Transportation Center [[www.volpe.dot.gov](http://www.volpe.dot.gov)], for the City of Washington DC [[www.dc.gov](http://www.dc.gov)]. Time Period: April – Oct. 2004)

### **Public Transit Economic Evaluation**

Produced a report identifying the net benefits of potential public transit improvements in Colorado Springs. Created a comprehensive framework for evaluating public transit improvements. Identified examples of successful transit projects in similar cities, identified ways to maximize transit benefits, and responded to common criticisms of public transit investments. (Client: City of Colorado Springs [[www.springsgov.com](http://www.springsgov.com)]. Time period: Jan. – March 2004)

### **Resort Community Transportation Management Plan**

Provided guidance on incorporating transportation demand management strategies into the Whistler area transportation plan. Identified potential TDM strategies, predicted their impacts on travel volumes and traffic congestion, and developed a framework for evaluating their full benefits and costs. (Prime contractor: Delcan [[www.Delcan.com](http://www.Delcan.com)], for Resort Municipality of Whistler [[www.whistler.ca](http://www.whistler.ca)]. Time Period: September 2003 – Feb. 2004).

### **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](http://www.intervistas.com)], for TransLink [[www.translink.bc.ca](http://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](http://www.sheltair.com)], for City of Vancouver [[www.vancouver.ca](http://www.vancouver.ca)]. Time Period: Sept.-Dec. 2003)

#### **Kingston, Jamaica Area Sustainable Transportation And Land Use Plan**

Helped develop a sustainable transportation and land use strategic plan for the Kingston, Jamaica region. Included an extensive literature review of developing country sustainable transportation and land use strategies, reviewing current travel and land use conditions in the region, consulting with stakeholders, and providing specific policy and planning recommendations. (ENACT Project Sustainable Development Plan, National Environment and Planning Agency [[www.nepa.gov.jm](http://www.nepa.gov.jm)] and Canadian International Development Agency [[www.acdi-cida.gc.ca](http://www.acdi-cida.gc.ca)]. Time Period: July-Aug. 2003)

#### **Transit Station Parking Strategy**

Developed parking policies and planning practices for implementation at new rail transit stations in Southern California. This included developing an evaluation process to prioritize parking improvements, creating a menu of potential parking management strategies, and helping to 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](http://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](http://www.goforgreen.ca)]. Time Period: Feb.-April 2003)

#### **Transportation and Social Exclusion Research**

Wrote and presented a paper titled *Social Inclusion As A Transport Planning Issue in Canada* ([www.vtpi.org/soc\\_ex.pdf](http://www.vtpi.org/soc_ex.pdf)), at a seminar at the University of Westminster in London, April 3-4, 2003 as part of a study to evaluate transport-related social exclusion issues in various countries. (Project Manager: Professor Karen Lucas, University of Westminster. Client: Federation Internationale de l'Automobile [[www.fiafoundation.com](http://www.fiafoundation.com)]. Time Period: Jan. – April 2003)

#### **University Transportation Management Program Planning**

Helped to develop a comprehensive transportation demand management plan as part of the strategic development plan for a university campus. Involved working with stakeholders to identify and evaluate potential mobility and parking management strategies. (Project Manager: Boulevard Planning Group. Client: University of Victoria. Time Period: Oct. 2002 – Dec. 2003)

#### **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. Involves developing an analysis framework, and research on the effects that user prices and convenience

factors have on transit demand. (Client: Integrated Mobility Systems Consortium, Toronto. Time Period: Sept.-Dec. 2002)

#### **Wrote Mobility Management Information Resource**

Wrote “Mobility Management Measures” module ([www.vtppi.org/gtz\\_module.pdf.pdf](http://www.vtppi.org/gtz_module.pdf.pdf)) for the *Sustainable Transport Sourcebook for Developing Countries* ([www.sutp.org](http://www.sutp.org)), a comprehensive transportation planning and management information resource for use in developing country cities. (Client: GTZ [[www.gtz.de](http://www.gtz.de)]. Time Period: April-Dec. 2002)

#### **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**

Examined ways to improve and expand vanpooling in the Puget Sound region. This project involved refining estimates of vanpool market potential, identifying strategies to increase vanpool formation and improve vanpool program operations. The project included research on other transportation demand management strategies that support and encourage vanpool use. Produced the *Puget Sound Vanpool Market Action Plan*, ([www.vtppi.org/VanpoolMAPReport.pdf](http://www.vtppi.org/VanpoolMAPReport.pdf)). (Project Manager: 2Plus, Inc. Client: Washington State DOT. Time Period: Dec. 2001 to March 2003)

#### **Evaluate Transportation Energy Conservation Options**

Helped identify and evaluate policy and operational programs to improve transportation sector energy efficiency, energy conservation and use of renewables suitable for implementation by the New Zealand Energy Efficiency and Conservation Authority. (Project Manager: Booz-Allen & Hamilton. Client: TransFund New Zealand. Time Period: November 2001 to March 2002)

#### **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](http://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**

Provided technical assistance for evaluating regional transportation and land use planning options to various community organizations in London, Ontario. (Client: 1 River 1 Park, Global Action Plan London, Urban League. Time Period: Feb. to April 2001)

#### **Parking Policy Review**

Developed a comprehensive analysis framework for evaluating Vancouver region parking policy reforms. (Project Manager: Urban Systems. Client: TransLink. Time Period: Oct. 2000 to Jan. 2001)

#### **Parking Management Study**

Worked with a multi-disciplinary team to develop a comprehensive parking management plan for the city of North Vancouver. (Project Manager: GMK 2000. Client: City of North Vancouver. Time Period: September 2000 to May 2001)

#### **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 Worsley. 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**

Served as member of a team that developed "A Guidebook for Assessing the Social and Economic Effects of Transportation Projects," National Cooperative Highway Research Program Report 456. 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**

Developed a pedestrian and bicycle planning guidebook for use by local planners titled, *Building Walking and Cycling Communities; A Guide to Current Best Practices for the Development of Local Government Pedestrian and Cycling Plans*, with Anne Fritzel. (Client: Ministry of Municipal Affairs, Victoria. Time Period: Jan. to June 1999)

#### **Evaluated Campus Trip Management Program**

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

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

Performed a comprehensive study of the feasibility, costs, benefits and equity impacts of implementing mileage-based vehicle insurance in British Columbia. Included analysis of a unique database of vehicle odometer and crash records. Served as project manager with two staff. (Client: Insurance Corporation of British Columbia. Time Period: April 1997 to January 1998)

#### **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 suitable for implementation in Washington State. Developed a spreadsheet model that identified the consumer costs, travel impacts, emission impacts, and revenue of individual price changes and reform packages. Wrote the report, *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, now Climate Solutions, Olympia, WA, [www.climatesolutions.org](http://www.climatesolutions.org), with funding from USEPA. 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**

Evaluated transportation and economic impacts of making Canadian tax law more favorable to transit commuting. (Client: Transit Advocacy Project. Time Period: Sept. 1996 to Jan. 1997)

#### **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**

Developed transportation cost analysis framework for the Washington DC region. Client: Metropolitan Washington Council of Governments. (Project Manager: Kiran Bhatt, K.T. Analytics, Inc. Time Period: January to March 1997)

#### **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**

Comprehensive study of the benefits of transit service in the Victoria region. (Client: BC Transit. Time Period: Jan. to April 1996)

#### **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**

Comprehensive transportation cost study for the city of Santiago, Chile. Project Manager: Christopher Zegras. (Client: International Institute for Energy Conservation, Washington DC. Time Period: Oct. 1996 to March 1997)

**Least Cost Planning Review**

Reviewed *Least-Cost Planning: Principles, Applications and Issues*, ([www.vtppi.org/LCPpaper.pdf](http://www.vtppi.org/LCPpaper.pdf)).

(Client: Project Manager: ECONorthwest. For the Puget Sound Council of Governments, funded by the U.S. Federal Highway Administration. Time Period: 1995)

### **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. Coordinated special research projects, including a MoTH sponsored conference on Transportation Demand Management and land use issues.

### **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**

*Washington Department of Ecology* (Olympia), October 1988 to February 1989. Produced reports on observation wells and related ground water research.

### **Lobbyist and Program Coordinator**

*Bicycle Federation of Washington*, 1984 to 1989. 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

Instructor and advisor for the *Next Generation Transportation Program* (<http://bit.ly/2k4ACYJ>), Simon Fraser University (SFU), 2014-2017.

Adjunct Professor, School of Community and Regional Planning (SCARP), University of British Columbia ([www.scarp.ubc.ca/faculty%20profiles/litman.htm](http://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.apeng.bc.ca](http://www.apeng.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.

Participated in the "Gil Sherwin Teaching Excellence Workshop," September 2000.

"Bicycle Mechanics and Skills," Leisure Education Program, Evergreen State College, 1982-87.

## Professional Affiliations

*Institute of Transportation Engineers* ([www.ite.org](http://www.ite.org)), member of the Vancouver Island Section Executive Committee, 1999-2019, Parking Council and Transportation Health Working Group.

*Location and Planning Committee Technical Advisory Group* for LEED (Leadership in Energy & Environmental Design) Rating System, U.S. Green Building Council ([www.usgbc.org](http://www.usgbc.org)), appointed April 2010. Advises on development of LEED credits related to location, transport and parking.

*Sustainable Low Carbon Transport Partnership* ([www.slocat.net](http://www.slocat.net)) is a major international network of working to improve knowledge on sustainable low carbon transport.

*World Congress for Transportation Research* ([www.wctr.org](http://www.wctr.org)), 2004-present.

*Transportation Research Board*, National Academy of Sciences ([www.trb.org](http://www.trb.org)). Appointed to:

- Committee on Transportation and Sustainability (ADD40), 2010 to 2015.
- Environmental Justice Committee (ADD 50), 2012 to present.
- *Special Task Force on Data for Decisions and Performance Measures* (A0030T).
- Chair of Sustainable Transportation Indicators Subcommittee (ADD40[1]), 2010 to 2014.
- Transportation Economics Committee (ABE 20), 2006-2009.

*International Journal of Global Environmental Issues*, Editorial Board, since 2007-2012

*Transportation Research A*, Editorial Advisory Board, 1999-2008.

## Publications

### Journal Articles, Conference Papers, Published Reports and Books

Mr. Litman frequently blogs on the Planetizen website ([www.planetizen.com/user/2394](http://www.planetizen.com/user/2394)).

Todd Litman (2019), "The Future Is Not What it Used to Be," *Plan Canada: Special Edition | Celebrating 100 Years*, Canadian Institute of Planners (<http://cip-icu.ca>), pp. 181-185; at <https://bit.ly/2HcJxpb>. Article of the Year / Article de l'année winner (<https://bit.ly/394EVO8>)

Kayoumars Irandoost, Milad Doostvandi, Todd Litman, Mohammad Azami, (2019), "Placemaking and the Right to the City of Urban Poor: a Case Study in Sanandaj, Iran," *Journal of Place Management and Development* (<https://doi.org/10.1108/JPMD-03-2018-0027>).

Hamid Behbahani, Sobhan Nazari, Masood Jafari Kang and Todd Litman (2019), "A Conceptual Framework to Formulate Transportation Network Design Problem Considering Social Equity Criteria," *Transportation Research Part A*, Vol. 125, pp. 171-183 (<https://doi.org/10.1016/j.tra.2018.04.005>).

Stefan Gössling, Andreas Humpe, Todd Litman and Daniel Metzler (2019), "Effects of Perceived Traffic Risks, Noise, and Exhaust Smells on Bicyclist Behaviour: An Economic Evaluation," *Sustainability: Sustainable Transportation for Sustainable Cities*, Vol. 11(2), 408 (<https://doi.org/10.3390/su11020408>); at [www.mdpi.com/2071-1050/11/2/408](http://www.mdpi.com/2071-1050/11/2/408).

Todd Litman (2019), "Toward More Comprehensive Evaluation of Traffic Risks and Safety Strategies," *Research in Transportation Business & Management*, Vo. 29, pp. 127-135, (<https://doi.org/10.1016/j.rtbm.2019.01.003>); at [www.sciencedirect.com/science/article/pii/S2210539517301633](http://www.sciencedirect.com/science/article/pii/S2210539517301633)).

Todd Litman (2018), "A New Traffic Safety Paradigm," *Transportation Talk* (the Journal of the Canadian Institute of Transportation Engineers), Winter, pp. 12-18; at <https://bit.ly/2Febrwx>.

Todd Litman (2017), "Mobility and Innovation. The New Transportation Paradigm," *S.M.A.R.T. Paths to Sustainability* (<http://bit.ly/2mUs2iG>); at <http://bit.ly/2Dravbo>.

Todd Litman (2017), *Public Transportation's Impact on Rural and Small Towns*, American Public Transportation Association ([www.apta.org](http://www.apta.org)); at [www.apta.com/rural](http://www.apta.com/rural).

Todd Litman, et al. (2017), "Grounding Urban Walking and Cycling Research in a Political Economy Framework," in *Non-Motorized Transport Integration into Urban Transport Planning in Africa*, Routledge (<http://bit.ly/2xxYmPs>).

Todd Litman (2017), "Economic Value of Walking," chapter in *Walking: Connecting Sustainable Transport with Health*, Emerald Publishing; at <https://bit.ly/2tOiN4r>.

Todd Litman (2017), *Autonomous Vehicle Implementation Projection: Implications for Transport Planning*, presented at the *Hearing Concerning Connected and Self-driving Vehicles*, Canadian Standing Senate Committee on Transport and Communication (<http://bit.ly/2pYvJXS>).

Todd Litman (2017), "Determining Optimal Urban Expansion, Population and Vehicle Density, and Housing Types for Rapidly Growing Cities," *Transportation Research Procedia*, for the 2015 World Conference on Transport Research; at [www.vtpi.org/WCTR\\_OC.pdf](http://www.vtpi.org/WCTR_OC.pdf).

Todd Litman (2016), *The Hidden Traffic Safety Solution: Public Transportation*, American Public Transportation Association ([www.apta.com](http://www.apta.com)); at <https://bit.ly/2bYqQpr>.

Todd Litman (2016), *Selling Transit Oriented Development*, presented at the TOD and Real Estate Development Conference' ([www.tod.org/events/la2016.html](http://www.tod.org/events/la2016.html)); at <http://bit.ly/2wJcdxl>.

Jianhong (Cecilia) Xia, Joshua Nesbitt, Rebekah Daley, Arfanara Najnin, Todd Litman and Surya Prasad Tiwari (2016), "A Multi-Dimensional View of Transport-Related Social Exclusion: A Comparative Study of Greater Perth and Sydney," *Transportation Research Part A*, Vol. 94, pp. 205-221 (<https://doi.org/10.1016/j.tra.2016.09.009>).

Todd Litman (2015), "Cycling and Active Mobility - Establishing a Third Pillar of Transport Policy," with Martin Held and Jörg Schindler, in *Cycling Futures - From Research into Practice*, Ashgate (<http://bit.ly/2ctetQ4>), by Regine Gerike and John Parkin.

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](http://www.vtpi.org/compstr.pdf)) and *When Are Bus Lanes Warranted?* ([www.vtpi.org/blw.pdf](http://www.vtpi.org/blw.pdf)), *Threadbo 14 Conference*, ([www.thredbo-conference-series.org](http://www.thredbo-conference-series.org)), August 2015, Santiago, Chile.

Todd Litman (2015), *Urban Sprawl Costs the American Economy More Than \$1 Trillion Annually. Smart Growth Policies May Be The Answer* (<http://bit.ly/1Kgg0Q9>), London School of Economic's daily blog on American Politics and Policy, 1 June 2015.

Todd Litman (2015), *Analysis of Public Policies that Unintentionally Encourage and Subsidize Sprawl*, in partnership with the LSE Cities program (<http://lsecities.net>) for the New Climate Economy (<http://newclimateeconomy.net>); at <http://bit.ly/1EvGtIN>. This report was cited by international media including, "Try Jam Today: Policies To Slow Down Warming May Be More Attractive If Framed As Ways Of Speeding Up Growth" (<http://econ.st/1qUeVLQ>) in *The Economist*; "The Cost of Sprawl: More Than \$1 Trillion Per Year, New Report Says" (<http://on.wsj.com/1FFcqCJ>) in the Wall Street Journal; and "The Steep Costs Of Living So Far Apart From Each Other" (<http://wapo.st/1Bnrm2o>), in The Washington Post.

Todd Litman (2015), *Evaluating Household Chauffeuring Burdens* ([www.vtpi.org/chauffeuring.pdf](http://www.vtpi.org/chauffeuring.pdf)), presented at the International Transport Economics Association (ITEA) Annual Conference June 17-19, Oslo, Norway (<https://www.toi.no/ITEA2015>).

Todd Litman (2015), *Implementing Transport Policies and Programmes Toward Realizing 'Bali Vision Three Zeros - Zero Congestion, Zero Pollution, and Zero Accidents Towards Next Generation Transport Systems in Asia'*, backgrounder for the Environmentally Sustainable Transport Forum in Asia, held 19-21 November 2014 in Colombo, Sri Lanka; at <https://bit.ly/1CVbVPA>.

Todd Litman (2014), "A New Transit Safety Narrative," *Journal of Public Transportation*, Vol. 17, No. 4, pp. 114-135; at [www.nctr.usf.edu/wp-content/uploads/2014/12/JPT17.4\\_Litman.pdf](http://www.nctr.usf.edu/wp-content/uploads/2014/12/JPT17.4_Litman.pdf).



Todd Litman (2014), "Playing a CRITICAL ROLE: Author and Researcher Todd Litman on the Future of Transportation and Why So Much of it Depends on Parking," *The Parking Professional*, the official magazine of the International Parking Institute ([www.parking.org](http://www.parking.org)), November; at [www.vtppi.org/PPI\\_litman.pdf](http://www.vtppi.org/PPI_litman.pdf).

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Ali A. Isalou, Todd Litman and Behzad Shahmoradi (2014), "Testing the Housing and Transportation Affordability Index in a Developing World Context: A Sustainability Comparison Of Central And Suburban Districts In Qom, Iran," *Transport Policy*, Vol. 33, May pp. 33-39; at <https://bit.ly/1DeBFrs>.

Todd Litman (2014), "Sustainable Transportation: New Kid On The Block," *Transportation in Canada: Transforming the Fabric of our Land*, Transportation Association of Canada, a book published as part of the organization's centennial activities ([www.transportation2014.ca](http://www.transportation2014.ca)); at <https://bit.ly/2FmshPb>.

Todd Litman (2014), *Toward More Comprehensive and Multimodal Transportation Performance Evaluation and Valuing, and Improving Transportation-Related Data Programs: Report from 2013 TRB Sessions*, presented at the North American Travel Monitoring Exposition and Conference, 29 June – 2 July 2014, Chicago (<http://tinyurl.com/n93xnz6>).

Todd Litman (2014), *The Mobility-Productivity Paradox: Exploring The Negative Relationships Between Mobility and Economic Productivity* ([www.vtppi.org/ITED\\_paradox.pdf](http://www.vtppi.org/ITED_paradox.pdf)); *Congestion Evaluation Best Practices* ([www.vtppi.org/ITED\\_congestion.pdf](http://www.vtppi.org/ITED_congestion.pdf)); and *Economically Optimal Transport Prices and Markets: What Would Happen If Rational Policies Prevailed?* ([www.vtppi.org/ITED\\_optimal.pdf](http://www.vtppi.org/ITED_optimal.pdf)); presented at the International Transportation Economic Development Conference (<http://tti.tamu.edu/conferences/ited2014>), April 2014, Dallas, Texas.

Todd Litman (2014), "How Transport Pricing Reforms Can Increase Road Safety," *Traffic Infra Tech*, April-May, pp. 68-71 (<http://emag.trafficinftratech.com>); at [www.vtppi.org/TIT-pricesafety.pdf](http://www.vtppi.org/TIT-pricesafety.pdf).

Todd Litman (2014), "Evaluating Public Transportation Local Funding Options," *Journal of Public Transportation* ([www.nctr.usf.edu/category/jpt](http://www.nctr.usf.edu/category/jpt)), Vol. 17/1, pp. 43-74; at <https://bit.ly/1CVdkWk>.

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Todd Litman (2013), *Multi-Modal School Transportation Planning*, American Clearinghouse on Educational Facilities ([www.acefacilities.org](http://www.acefacilities.org)); at <https://bit.ly/2QYBn5h> and <https://bit.ly/2Mi7ZGz>.

Todd Litman (2013), "Smarter Congestion Relief In Asian Cities: Win-Win Solutions To Urban Transport Problems," *Transport and Communications Bulletin for Asia and the Pacific*, United Nations No. 82, 2013, pp. 1-18; at [www.unescap.org/sites/default/files/b82\\_Chapter1.pdf](http://www.unescap.org/sites/default/files/b82_Chapter1.pdf).

Todd Litman (2013), "Towards More Comprehensive Multi-modal Transport Evaluation," *JOURNEYS* September, LTA Academy ([www.ltaacademy.gov.sg/journeys.htm](http://www.ltaacademy.gov.sg/journeys.htm)); at <http://tinyurl.com/lyj9kfd>.

Todd Litman (2013), "Transportation Demand Management: Win-Win Solutions for Transport Problems," *Transportation Demand Management: Insights from the Mobil.TUM 2012 International Scientific Conference on Mobility and Transport*, Fachgebiet für Siedlungsstruktur und Verkehrsplanung ([www.sv.bgu.tum.de](http://www.sv.bgu.tum.de)); at <http://tinyurl.com/ke8brbn>.

Todd Litman (2013), "Changing North American Vehicle-Travel Price Sensitivities: Implications For Transport and Energy Policy," *Transport Policy*, Vol. 28, pp. 2-10, July (<http://dx.doi.org/10.1016/j.tranpol.2012.06.010>).

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Todd Litman (2012), "Pricing For Traffic Safety: How Efficient Transport Pricing Can Reduce Roadway Crash Risk," *Transportation Research Record 2318*, pp. 16-22, TRB ([www.trb.org](http://www.trb.org)); at [www.vtpi.org/price\\_safe.pdf](http://www.vtpi.org/price_safe.pdf).

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Todd Litman (2012), "Mobility Management Solutions to Transport Problems Around the World," *Cars and Carbon: Automobiles and European Climate Policy in a Global Context* (Zachariadis, ed), Springer ([www.springer.com](http://www.springer.com)).

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Todd Litman and Suzanne Kort (1992), *Washington: Off the Beaten Path* (1993) and *The Best Bike Rides in the Pacific Northwest* (1992), Globe Pequot Press.

Todd Litman (1992), "Bicycling and TDM," *Bicycle USA Magazine*, Vol. 28, No. 1, January/February.  
Todd Litman (1991), *Transportation Efficiency: An Economic Analysis*. Report circulated at Transportation 2000 Conference, Snowmass, CO.

Todd Litman (1990), "A City Plans for Bicycles," *Small Town Journal*, Vol. 21, No. 1, July-August.

Todd Litman (1990), "Creating a Bicycle Guide," *Bicycle USA Magazine*, Vol. 26, No. 3, May.

Wrote weekly cycling newspaper column: *Times Colonist* (Victoria), 1996 to 2001 ([www.gvcc.bc.ca/wheelife/wheelife.shtml](http://www.gvcc.bc.ca/wheelife/wheelife.shtml)), and the *Daily Olympian* (Olympia), 1989 to 1993.

Reports distributed through the Victoria Transport Policy Institute ([www.vtppi.org](http://www.vtppi.org))

- *A New Traffic Safety Paradigm*
- *Affordable-Accessible Housing In A Dynamic City: Why and How To Support Development of More Affordable Housing In Accessible Locations*
- *Appropriate Response To Rising Fuel Prices*
- *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*
- *Climate Change Emission Valuation for Transportation Economic Analysis*
- *Community Cohesion as a Transport Planning Objective*
- *Comparing Emission Reduction Strategies*
- *Comprehensive Transport Planning: Best Practices For Evaluating All Options And Impacts*
- *Congestion Costing Critique: Critical Evaluation of the 'Urban Mobility Report'*
- *Critical Analysis of Conventional Transport Economic Evaluation*
- *Distance-based Charges; A Practical Strategy for More Optimal Pricing*
- *Distance-based Vehicle Insurance*
- *Economic Value of Walkability*
- *Evaluating Active Transport Benefits and Costs*
- *Evaluating Criticism of Smart Growth*
- *Evaluating Criticism of Transportation Costing*
- *Evaluating Complete Streets: The Value of Designing Roads For Diverse Modes, Users and Activities*
- *Evaluating Public Transit Benefits and Costs*
- *Evaluating Public Transit As An Energy Conservation and Emission Reduction Strategy*
- *Evaluating Rail Transit Criticism*
- *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*
- *Generated Traffic; Implications for Transport Planning*



- *Guide to Calculating Mobility Management Benefits*
- *Introduction to Multi-Modal Transport Planning*
- *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*
- *Parking Taxes: Evaluating Options and Impacts*
- *Pavement Busters Guidebook*
- *Pay-As-You-Drive Pricing for Insurance Affordability*
- *Planning Principles and Practices*
- *Rail Transit In America: Comprehensive Evaluation of Benefits*
- *Recommendations for Improving LEED Transportation and Parking Credits*
- *Reinventing Transportation; Exploring the Paradigm Shift Needed to Resolve Conflicts Between Transportation and Sustainability Goals*
- *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*
- *Traffic Calming Benefits, Costs, and Equity Impacts*
- *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*
- *What's It Worth? Life Cycle and Benefit/Cost Analysis for Evaluating Economic Value*
- *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.

### **Multimodal Urban Transport: Todd Litman Explains How and Why**

([www.reinventingtransport.org/2018/07/todd-litman.html](http://www.reinventingtransport.org/2018/07/todd-litman.html)). Reinventing Transportation podcast with Paul Barter.

### **Urban Planning for Future Regional Sky Transit** ([www.youtube.com/watch?v=a6B0QnjxWfw](http://www.youtube.com/watch?v=a6B0QnjxWfw)).

Video of Todd Litman's 2018 *Sustainable Aviation Symposium* presentation concerning the potential benefits of urban air taxis.

### **City Talks Panel: Alternative Urbanisms in Victoria** (<https://bit.ly/2QhQgUZ>).

The University of Victoria's 2018 *City Talks* series kicked off with a panel discussion on alternative urbanisms including youth-driven indigenous land restoration, Support Network for Indigenous Women and Women of Colour, urban place-making, affordable Infill, and anarchist festivals.

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

### **Preparing for A Changing Mobility Future: Emerging Planning Issues** (<https://cura.osu.edu/nov9>).

November 2018 presentation at Ohio State University Center for Urban and Regional Analysis. Includes video.

**Why Transit Oriented Development? Benefits for Everyone!** Keynote presentation at the *Eighth International Symposium on Transportation Demand Management* (<http://2017tdm.ntu.edu.tw>) in Taiwan.

**What's So Good About EcoMobility? Understanding Co-Benefits** (<http://bit.ly/2xTNpYR>), presented at the 2017 EcoMobility Festival ([www.ecomobilityfestival.org](http://www.ecomobilityfestival.org)) in Taiwan.

**Insight to Implementation of the Bangkok 2020 Declaration ~ Policy Trends and Developments, Challenges and Opportunities** (<http://bit.ly/2n3CPbz>). Keynote speech at the *Tenth Regional Environmentally Sustainable Transport (EST) Forum in Asia* (<http://bit.ly/2mHZs1p>), March 2017, in Vientiane, Lao PDR.

**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.

### **Harmony Between Urban Growth and Transportation Accessibility**

([www.konference.pmdp.cz/en/2017/downloads](http://www.konference.pmdp.cz/en/2017/downloads)), presented at the *Smart & Healthy Transport in Cities Conference*, April 2017, Pilsen, Czech.

**Manitoba Planning Conference** ([www.mbplanningconference.com](http://www.mbplanningconference.com)). Presentation concerning rural multi-modal transportation planning, and led a workshop concerning affordability as a planning issue (<http://bit.ly/2eCE1A1>).

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

**Canadian Standing Senate Committee on Transport and Communication, May 2 Hearing Concerning Connected and Self-driving Vehicles** (<http://bit.ly/2pYvJXS>). Todd Litman summarized his research published in the report, "Autonomous Vehicle Implementation Projection: Implications for Transport Planning" ([www.vtppi.org/avip](http://www.vtppi.org/avip)).

"Right-sizing Commercial Parking- With Todd Litman" (<http://bit.ly/2maC0gO>), 6 February 2017, City of Alexandria, Virginia. Presentation concerning municipal parking policy review and reform.

**Transportation Systems & Urban Development Patterns for a One Planet Region** (<http://bit.ly/2lHKhsU>), 2017, Victoria, BC. Discussion of ways to create more resource-efficient and equitable communities at the *One Planet Region' Community Conversation Series*.