

## **Nonmotorized Transportation Planning**

23 February 2010

*The Victoria Transport Policy Institute is an independent research organization dedicated to developing innovative solutions to transport problems. Our 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. VTPI has worked on a variety of nonmotorized evaluation and planning projects in a variety of institutional and geographic conditions. Below are examples of our work.*

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

### **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.)

### **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.vtppi.org/sgbc\\_health.pdf](http://www.vtppi.org/sgbc_health.pdf)). (Client: Smart Growth BC [[www.smartgrowth.bc.ca](http://www.smartgrowth.bc.ca)]. Time Period: June-Sept. 2005).

### **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 – February 2004).

### **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.vtppi.org/act\\_tran.pdf](http://www.vtppi.org/act_tran.pdf)). (Project Manager: Francine Godin. Client: Go For Green [[www.goforgreen.ca](http://www.goforgreen.ca)]. Time Period: February-April 2003).

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

Wrote and presented a paper titled *Social Inclusion As A Transport Planning Issue in Canada* ([www.vtppi.org/soc\\_ex.pdf](http://www.vtppi.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: January – April 2003.)

### **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 ([http://gulliver.trb.org/publications/nchrp/nchrp\\_rpt\\_456-a.pdf](http://gulliver.trb.org/publications/nchrp/nchrp_rpt_456-a.pdf)). Project Manager: David Forkenbrock, Public Policy Center, University of Iowa. (Client: Transportation Research Board. Time Period: June 1999 to October 2000.)

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### **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: January to June 1999.)

### **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.)

## Publications

Todd Litman (2003), "Economic Value of Walkability," *Transportation Research Record* 1828, Transportation Research Board ([www.trb.org](http://www.trb.org)), pp. 3-11; at [www.vtpi.org/walkability.pdf](http://www.vtpi.org/walkability.pdf).

Todd Litman (2004), *Quantifying the Benefits of Non-Motorized Transport for Achieving TDM Objectives*, Victoria Transport Policy Institute ([www.vtpi.org](http://www.vtpi.org)); at [www.vtpi.org/nmt-tdm.pdf](http://www.vtpi.org/nmt-tdm.pdf).

Todd Litman (2005), *Whose Roads? Evaluating Bicyclists' and Pedestrians' Right to Use Public Roadways*, VTPI ([www.vtpi.org](http://www.vtpi.org)); at [www.vtpi.org/whoserd.pdf](http://www.vtpi.org/whoserd.pdf).

Todd Litman (2006), "Managing Diverse Modes and Activities on Nonmotorized Facilities: Guidance for Practitioners," *ITE Journal*, Vol. 76, No. 6 ([www.ite.org](http://www.ite.org)), June 2006, pp. 20-27; based on Todd Litman and Robin Blair (2005), *Managing Personal Mobility Devices (PMDs) On Nonmotorized Facilities*, Victoria Transport Policy Institute ([www.vtpi.org](http://www.vtpi.org)); at [www.vtpi.org/man\\_nmt\\_fac.pdf](http://www.vtpi.org/man_nmt_fac.pdf).

Todd Litman (2007), *Guide to Calculating Mobility Management Benefits*, Victoria Transport Policy Institute ([www.vtpi.org](http://www.vtpi.org)); at [www.vtpi.org/tdmben.pdf](http://www.vtpi.org/tdmben.pdf).

Todd Litman (2009), *Transportation Cost and Benefit Analysis; Techniques, Estimates and Implications*, Victoria Transport Policy Institute ([www.vtpi.org/tca](http://www.vtpi.org/tca)).

Todd Litman, et al. (2000), *Bicycle and Pedestrian Planning; Guide to Best Practices*, VTPI ([www.vtpi.org](http://www.vtpi.org)).

VTPI (2010), *Online TDM Encyclopedia*, Victoria Transport Policy Institute ([www.vtpi.org/tdm](http://www.vtpi.org/tdm)).

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