

# ***Five Year Transportation Transformation***

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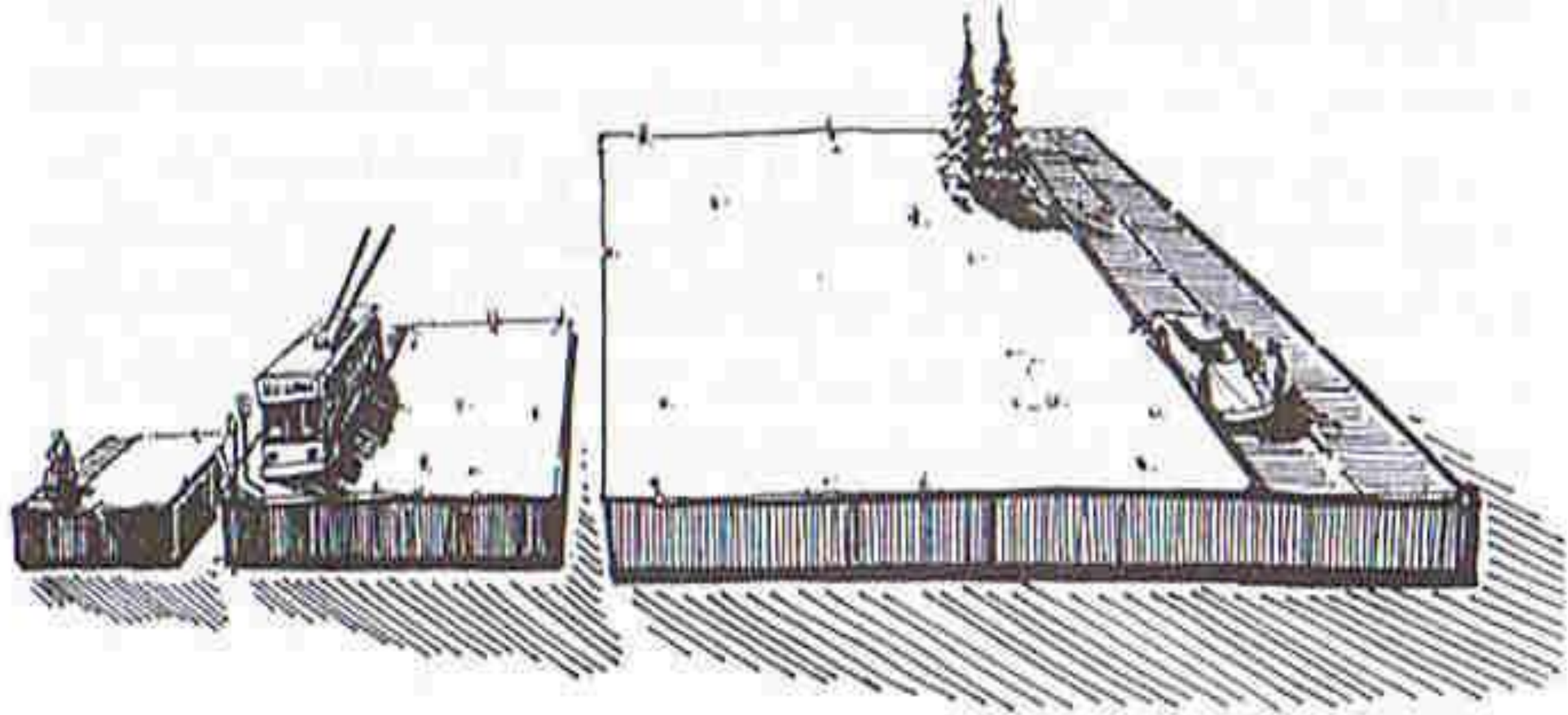
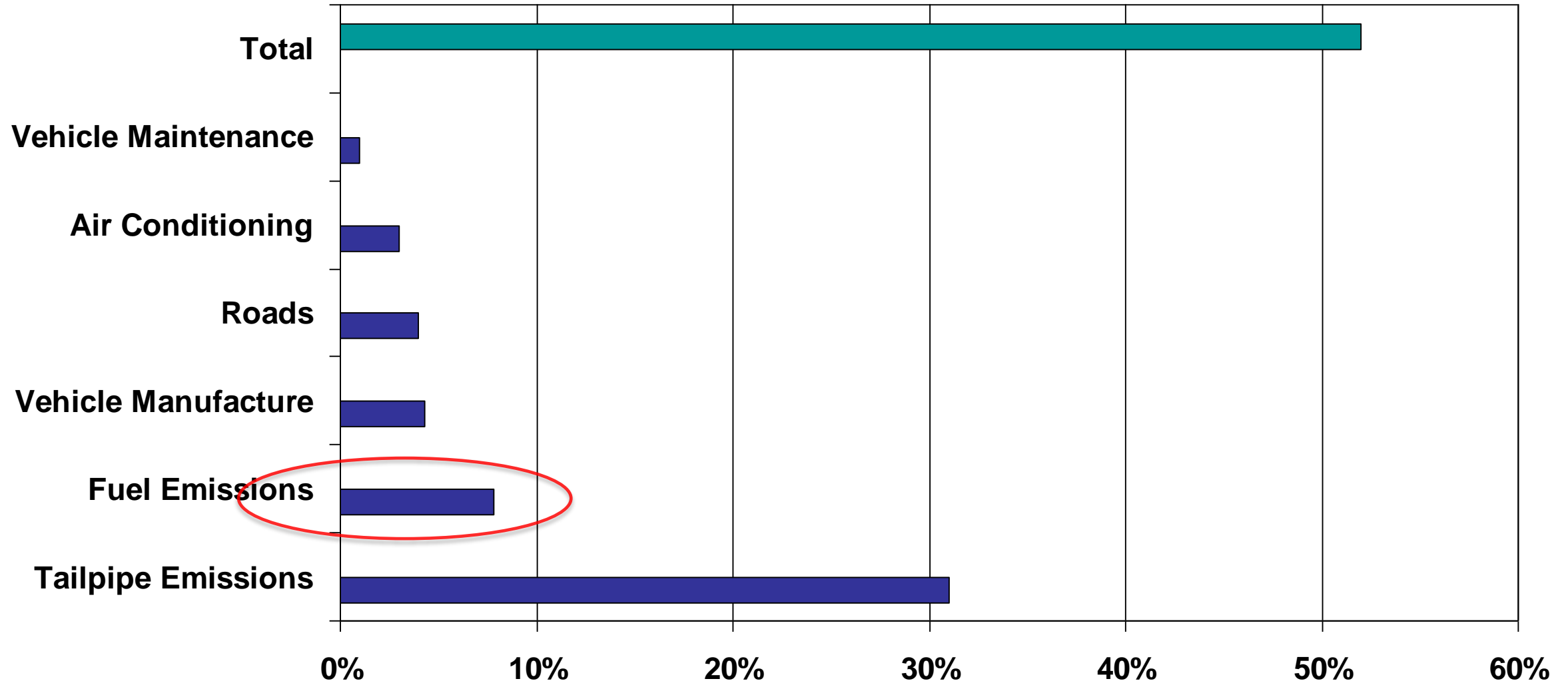


Figure 3.12: The Ecological Footprint of one person traveling five kilometres twice each workday (10 km per week) varies according to transportation mode: for bicycles, it is about 122 square metres, for buses 301 square metres and for cars 1,442 square metres.



# Transportation GHG Emissions in Canada

(As a percentage of total energy emissions)





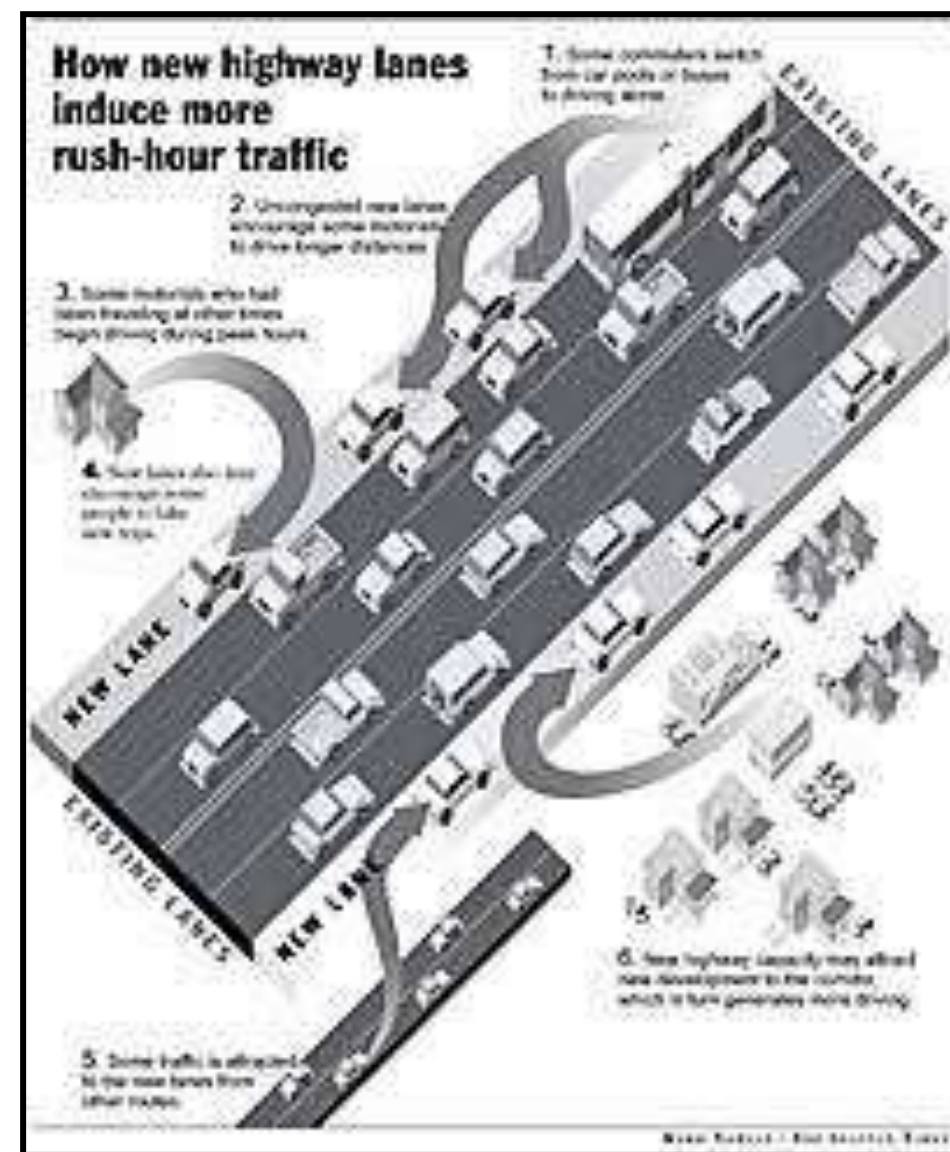
January 23, 2003

# When roads are widened, travel can rise dramatically

When the new, wider Interstate 90 bridge across Lake Washington and Mercer Island opened in 1989, state transportation engineers anticipated it would carry more traffic.

What actually happened took them completely by surprise.

# Almost overnight, total cross-lake traffic jumped 20 percent.







**About a year after opening in 1986, the Alex Fraser Bridge had generated so much additional traffic that it had to be widened from four to six lanes.**

**It is now the third most congested bridge in the region.**





**You can't build your  
way out of  
congestion!**



# McKenzie Interchange Project

Spring 2016 Information Session



Trans-Canada  
Highway

Admirals Road

To Victoria →

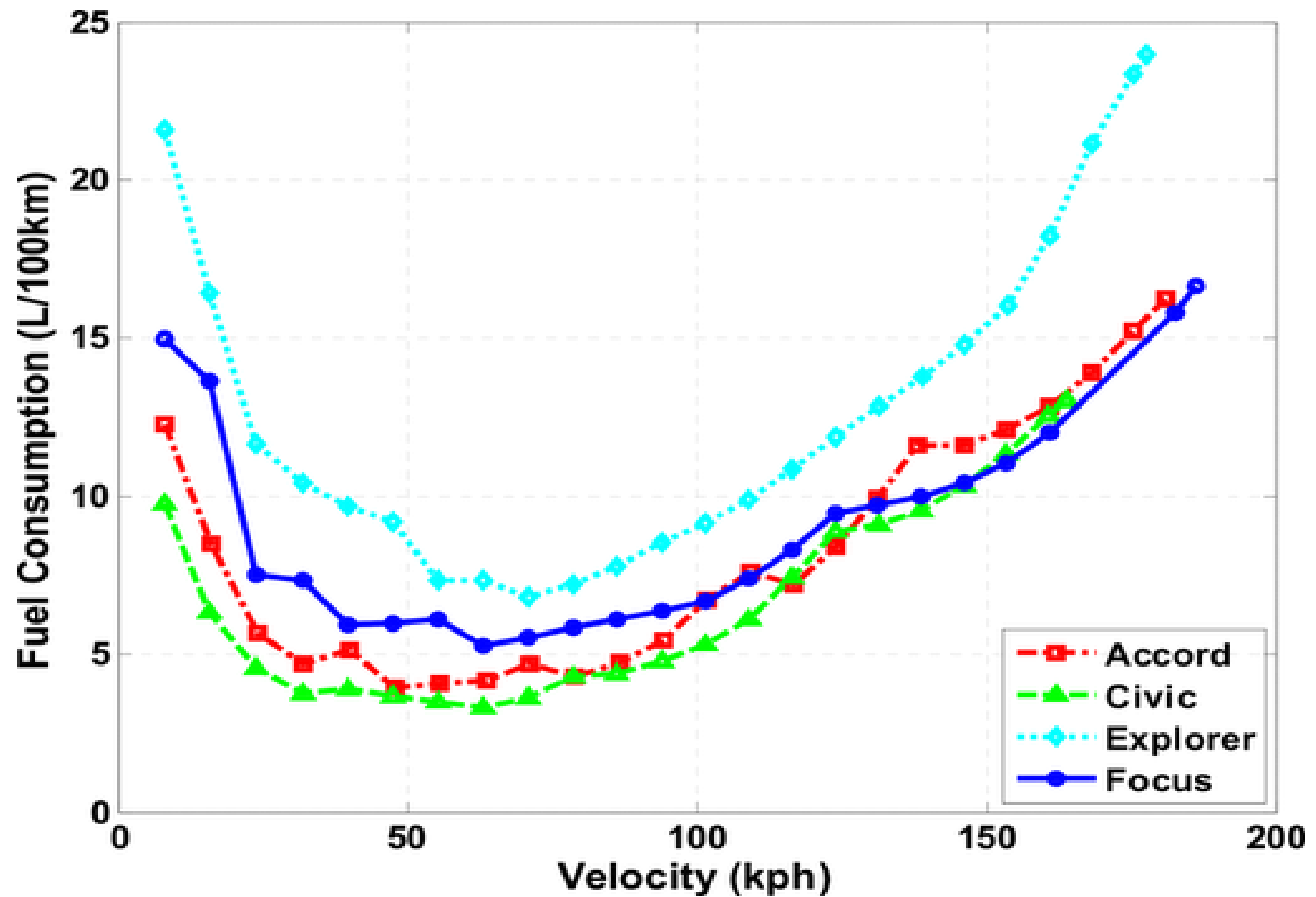


# Less Road Space = Less Traffic



**“Taking away roadspace from general traffic can cause overall traffic levels to reduce”**

Disappearing traffic? The story so far - S. Cairns, S. Atkins and P. Goodwin <http://www2.cege.ucl.ac.uk/cts/tsu/disapp.pdf>



[http://web.mit.edu/sloan-auto-lab/research/beforeh2/files/IreneBerry\\_Thesis\\_February2010.pdf](http://web.mit.edu/sloan-auto-lab/research/beforeh2/files/IreneBerry_Thesis_February2010.pdf)



## Count The People: Douglas St / Hwy 1 at Saanich Rd - Victoria BC Canada







**Sightline**  
INSTITUTE

**What if the 76 people  
in those cars...**





**Sightline**  
INSTITUTE

...rode buses?























# Zurich, Switzerland





# Grid Tied Electric







## E-bus 2020



**vossloh**  
KIEPE



INTERREG  
Deutschland  
Niederland









# ***Relative Prices Matter For Justice and Climate Pollution***





# ***Space = Presteige and Time***













# ***Longer distance passenger transportation***





# TIMES COLONIST

## Coming soon to a highway near you: Special bus lanes

Greater Victoria will be one of three urban areas to feature RapidBus service as part of a \$14-billion public transit plan unveiled by Premier Gordon Campbell on Monday.

BY TIMES COLONIST January 15, 2008

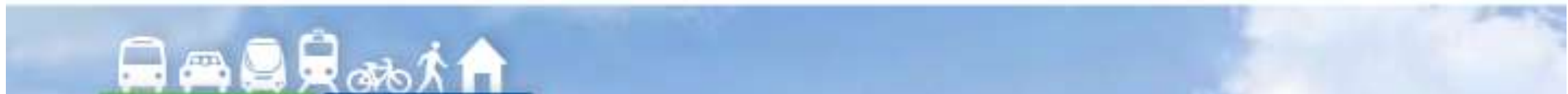
*“The province’s plan provides a commitment to help fund expansion of that project to extend service to Langford by using the outside lanes of the Trans-Canada Highway.”*





# Transit Future Plan

VICTORIA REGION | May 2011





# Transit Future Plan

VICTORIA REGION | May 2011

***“The Victoria region requires a shift in focus from moving vehicles to moving people”***

P 8





# Transit Future Plan

VICTORIA REGION | May 2011

**“Major investments in expanding the road network to accommodate the private automobile do not align with local, regional and provincial planning aspirations.”** P 8



# Transit Future Plan

TRANSIT FUTURE PLAN | May 2011

**“The best means of reducing greenhouse gas emissions is to focus on dramatically increasing transit ridership . . . linking transit to active modes of travel (walking and cycling) and . . . Transit Oriented Development”**

P 11



# Transit Future Plan

VICTORIA REGION | May 2011

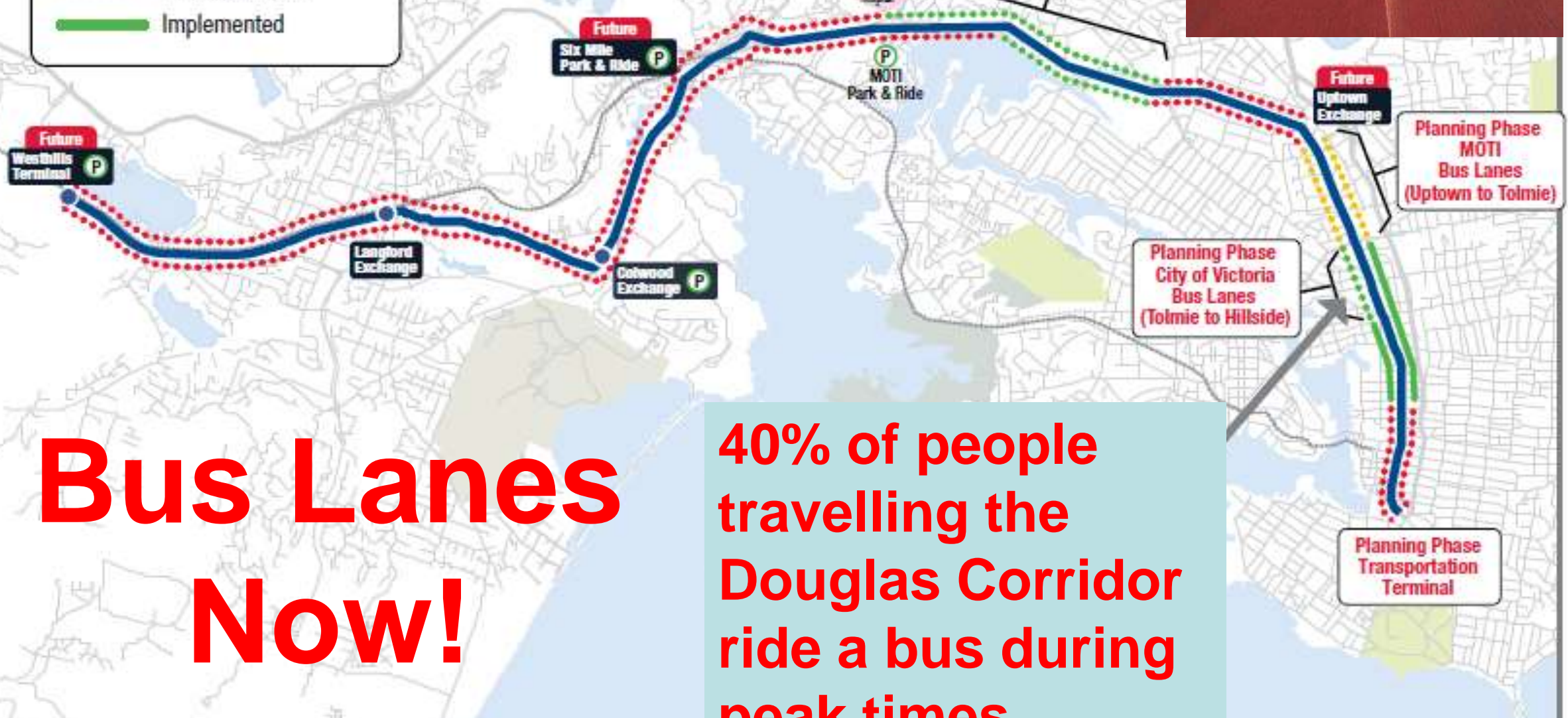
**“The aging population will increase the demand for HandyDART”**





## Building the Rapid Transit Corridor

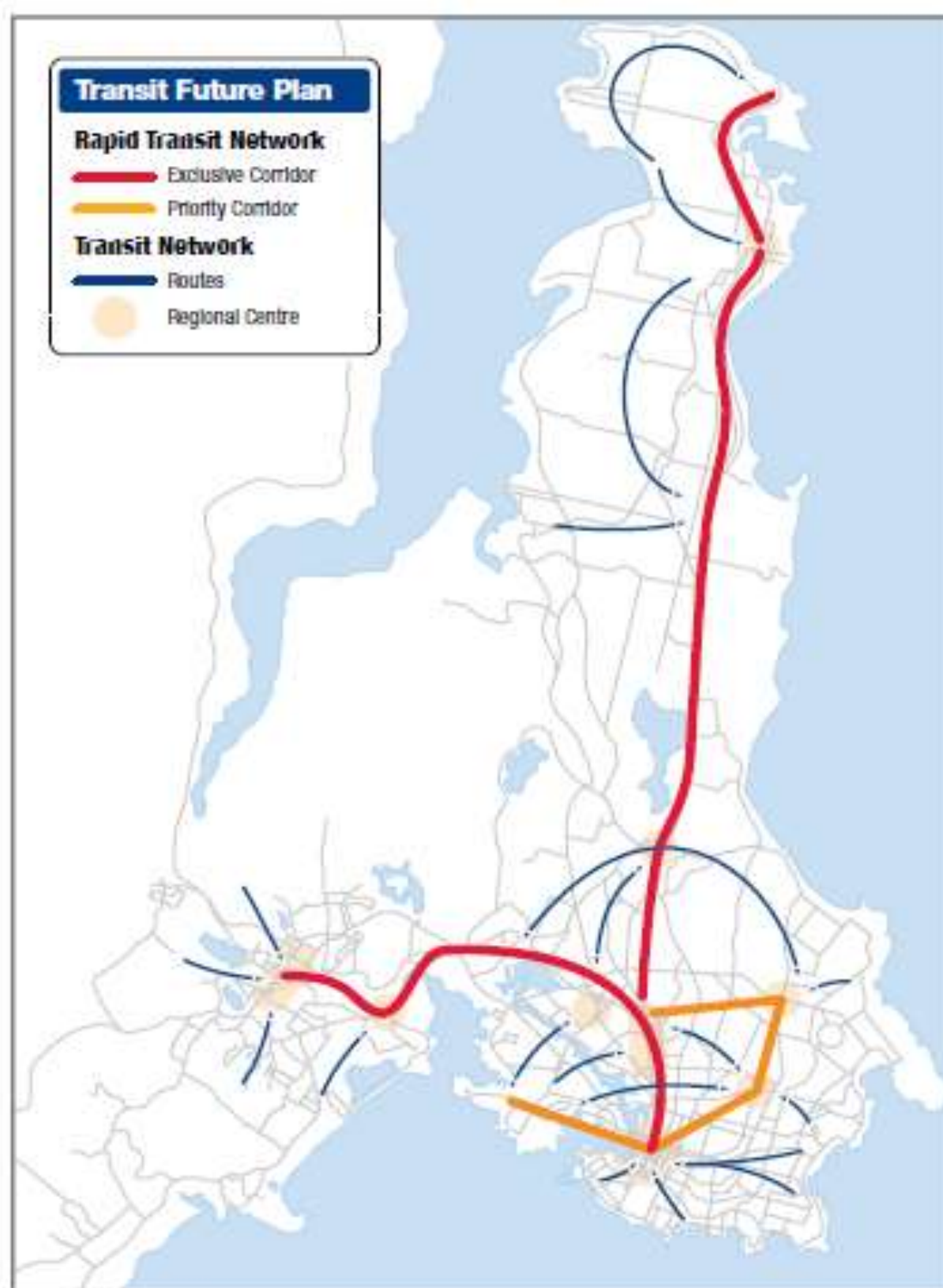
- Future Bus Lanes
- Current Planning Phase
- Planning Phase
- Implemented



# Bus Lanes Now!

40% of people travelling the Douglas Corridor ride a bus during peak times







# Virtuous cycle



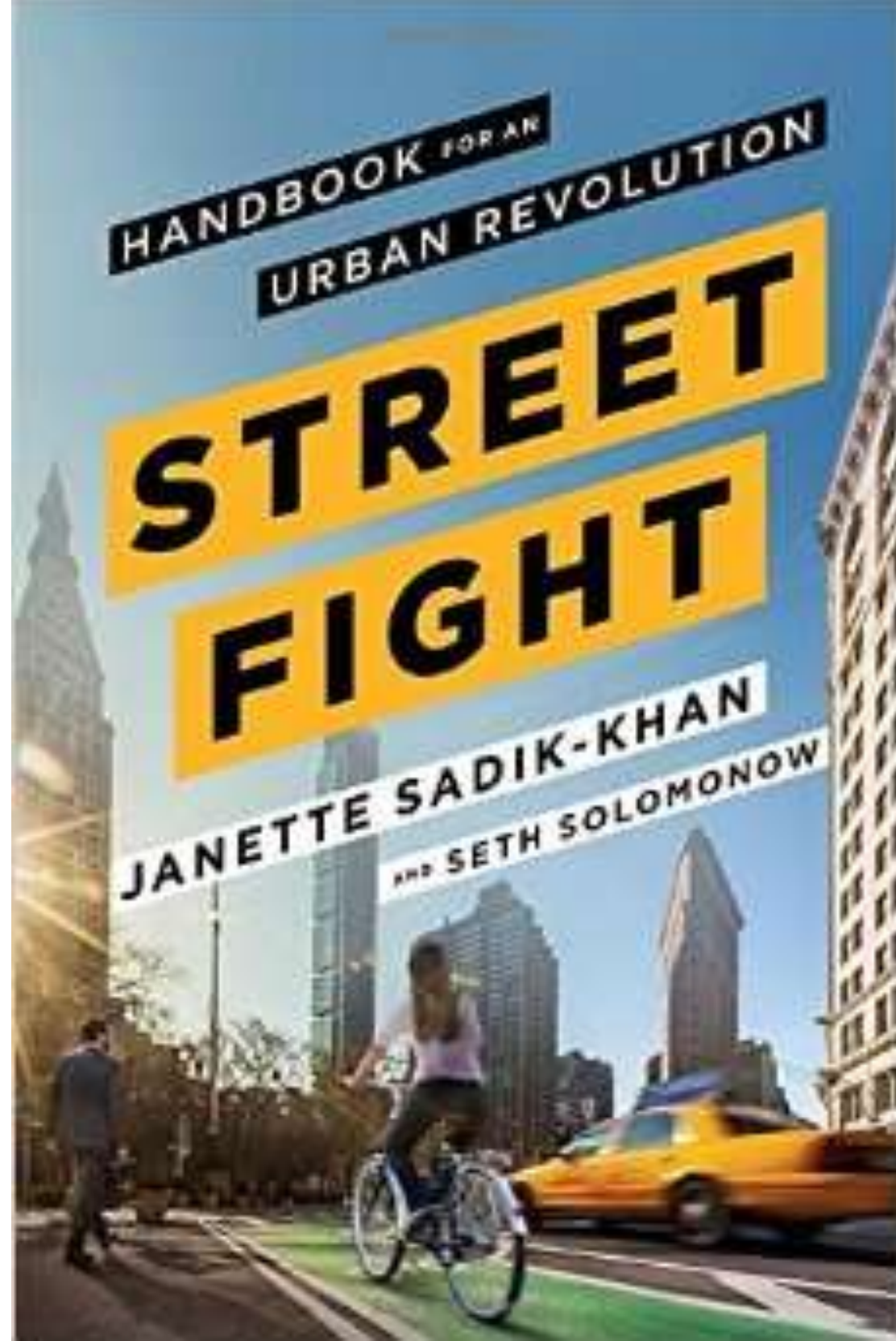
**Jaime Lerner former Mayor of Curitiba, Brazil credits "Low-cost, fast-turnaround solutions to problems" for being "able to get things done quickly, thus building momentum and political credibility". (Cervero 1998 p 268)**



HANDBOOK FOR AN  
URBAN REVOLUTION

# STREET FIGHT

JANETTE SADIK-KHAN  
AND SETH SOLOMONOW





# ro Vancouver mayors reject replacement of Massey Turnpike 10-lane bridge

has argued the \$3.5-billion bridge will reduce greenhouse gas emissions and reduce congestion

Posted: Jun 29, 2016 10:30 AM PT | Last Updated: Jun 29, 2016 11:00 AM PT



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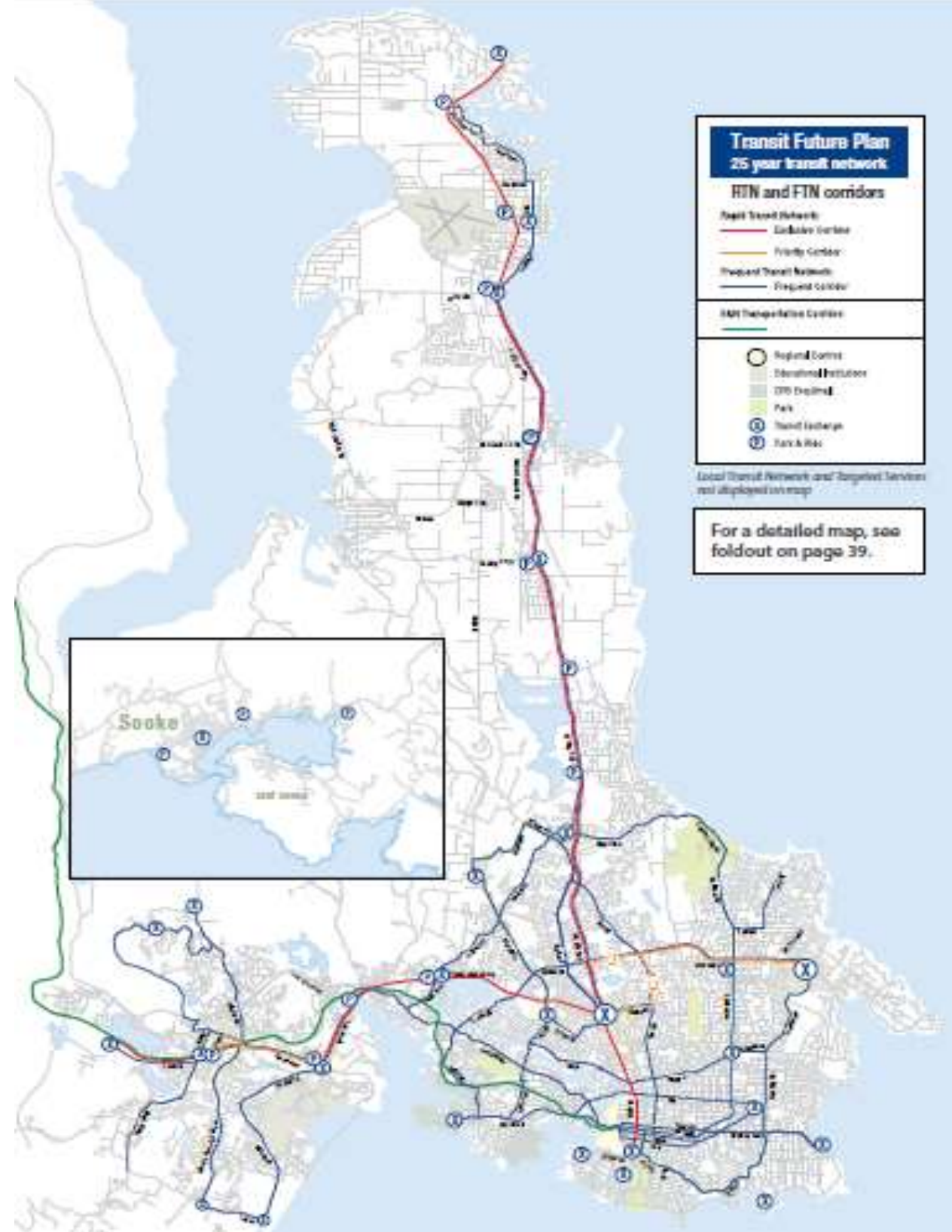
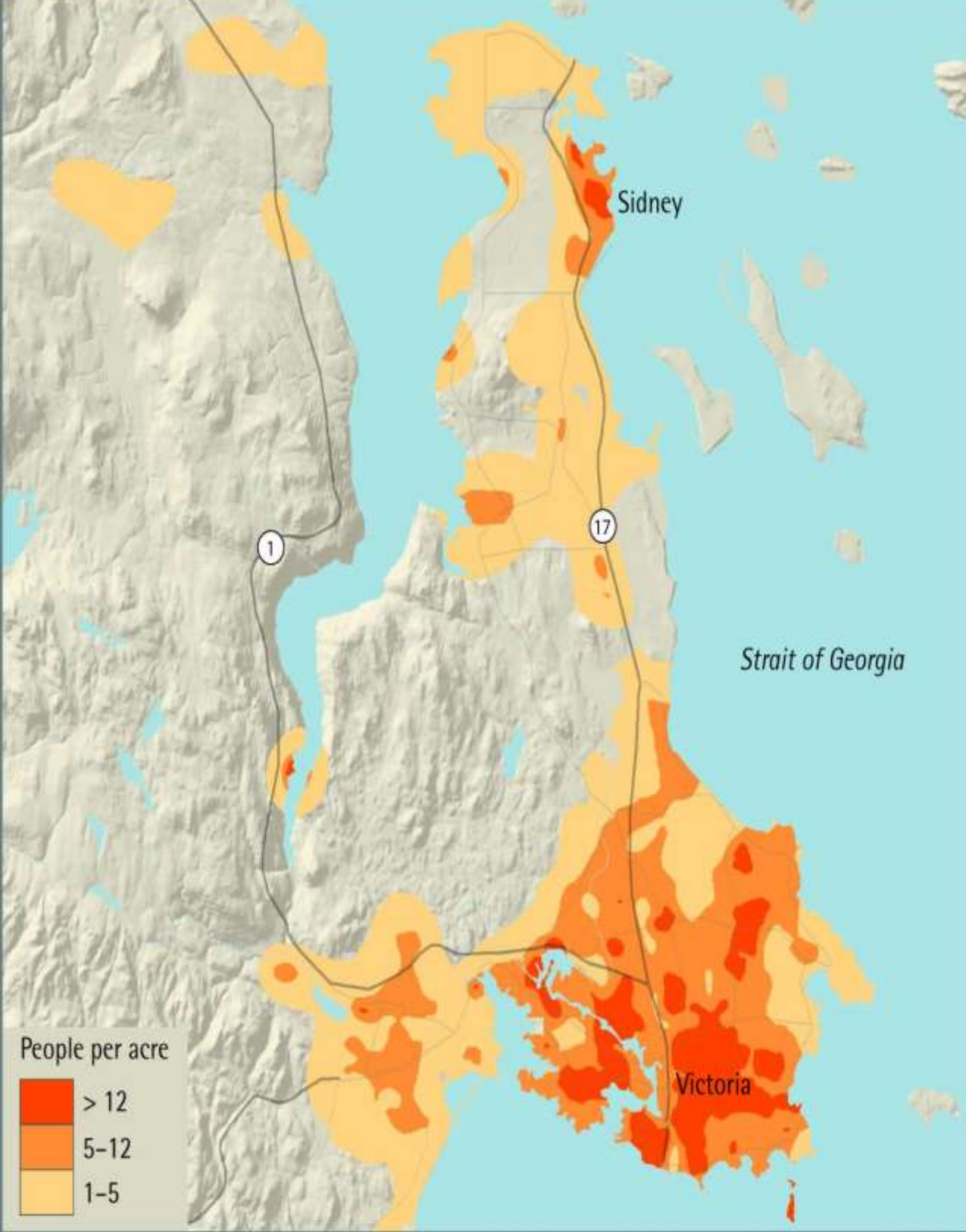


Alerts

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# Making the Most of the Transit Referendum

Transportation Investments to Create More Jobs and Reduce Pollution

A Beyond Fossil Fuels Discussion Paper from Tanker Free BC



By Eric Doherty, RPP MCIP

April 2015

## Metro Vancouver's Aging Population and the Need for Improved HandyDART Service

November, 2013

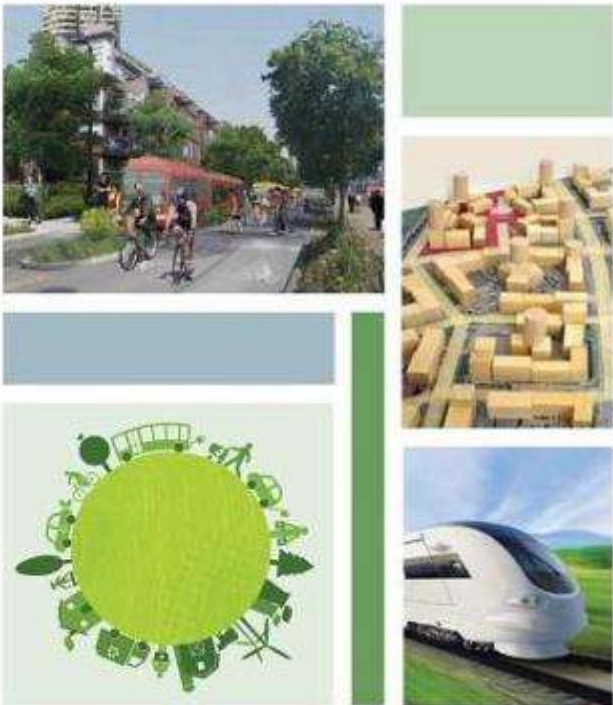


By Eric Doherty – Ecopath Planning  
[www.ecoplanning.ca](http://www.ecoplanning.ca)

For Amalgamated Transit Union Local 1724

# Transportation Transformation

Building Complete Communities and a Zero-Emission Transportation System in BC



Climate Justice Project

Download the summary or watch a slideshow based on this report at:  
[www.policyalternatives.ca/transportationtransformation](http://www.policyalternatives.ca/transportationtransformation)

By Patrick Condon, Eric Doherty, Karl Dow, Marc Lee and Gordon Price  
April 2011

**WILDERNESS COMMITTEE**

**CCPA**  
CANADIAN CENTRE FOR POLICY ALTERNATIVES  
BC Office

[www.ecoplanning.ca/selected-projects](http://www.ecoplanning.ca/selected-projects)



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