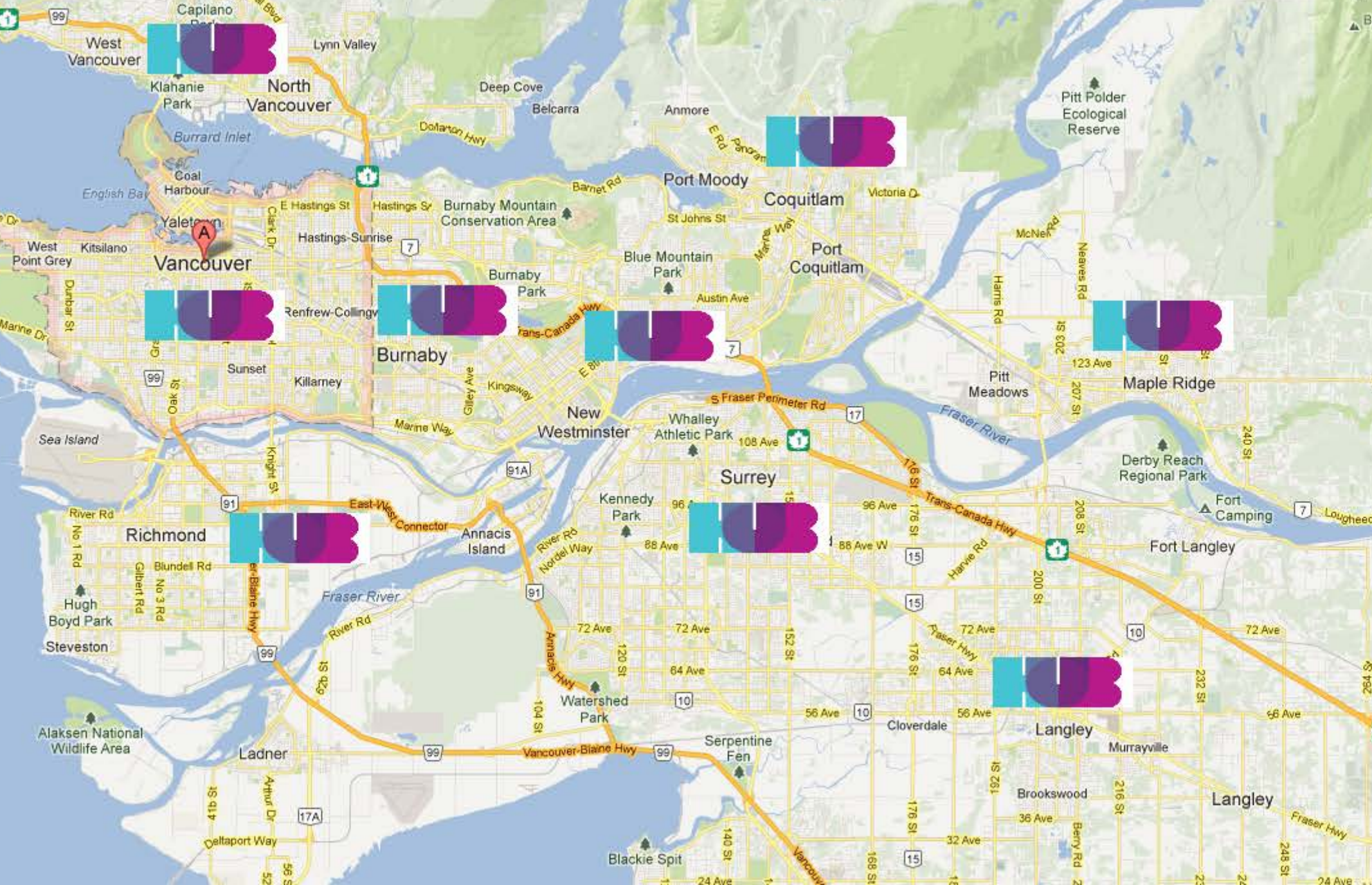


All Ages and Abilities Bike Routes

City of North Vancouver Council – June 24, 2013





Your Cycling Connection

Why Don't People Ride?



- Age?
- Hills?
- Lazy?
- Fear!

Infrastructure Design Target '70s



© Jonathan Maus/BikePortland

What is not an All Ages & Abilities Bike Route?



Burrard Street Bike Lane

Infrastructure Design Target 2000



AAA - Adanac Bike Route



Design Target Today



AAA - Bike Paths



AAA – On Road



AAA – Separated Cycle Track



AAA – Pedestrians + Cyclists



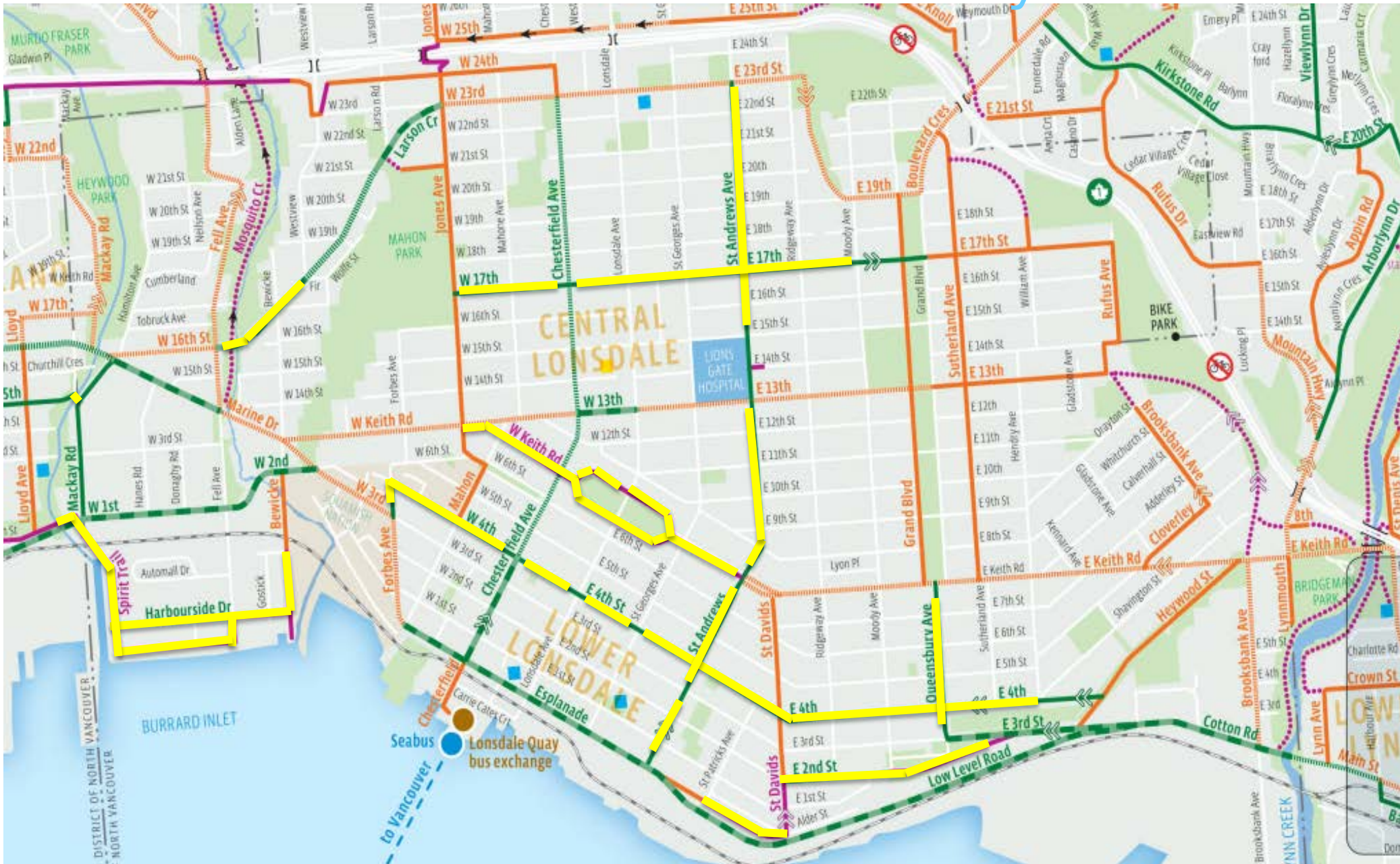
AAA -Cars on the Outside + Buffer



Restricting Car Access



AAA Bike Routes in the City



Green Necklace –
Victoria Park



Harbourside



PEOPLE LEAVE SLIP
DOGS LEASH

PEDESTRIANS CYCLISTS





Larson

MAJOR BIKE ARTERIALS IN CNV



Chesterfield

Marine Drive



Esplanade



City	Project	Total Cost	Cost/km
Vancouver	Hornby Separated Bike Lanes	\$3.2 Million	\$1.9 Million
Vancouver	Dunsmuir Separated bike Lanes	\$0.8 Million	\$0.8 Million
Edmonton	North LRT Extension	\$755 Million	\$230 Million
Whistler	Sea to Sky Highway Improvements	\$600 Million	\$6 Million
Surrey/Delta	South Fraser Perimeter Road (New Highway)	\$658 Million	\$17 Million
Toronto	Jarvis Painted Bike Lanes	\$0.01 Million	\$0.003 Million
Calgary estimate, average costs	Multi-Use Pathways		~\$0.015 Million
	Painted Bike Lanes		~\$0.0025 Million

Penny Wise and Pound ---

- **Painted Lane**
- \$100,000 / km
- No increase in ridership
- **Cycle Track**
- \$600,000 / km
- 30 % increase in ridership





Separated bike lanes about four-times the cost of ordinary lanes

Council gives initial approval to downtown plan

BY JASON MARKUSOFF, CALGARY HERALD OCTOBER 11, 2012

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STORY

PHOTOS (1)



A cyclist makes his way along 10th Avenue S.W. during the afternoon rush hour. The City of Calgary is looking at creating segregated bike lanes downtown.

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Economic Benefits

- Fewer cars = less tax \$ for road maintenance
- Car = \$.44/km Bike = \$.07/km¹
- Improves parking for local shops \$\$
- Health care savings = 3.8 X initial costs²

¹ http://library.oregonmetro.gov/files/niels_jensesn_cycling's_high_return_on_investment.pdf

² www.portlandmercury.com/images/blogimages/2011/03/03/1299202929-portland_bike_cost_study.pdf

Why City of North Vancouver? Inner City, Density



Why City of North Vancouver? Mixed Age, Family-Oriented



Why City of North Vancouver? Municipal Transportation Strategy

- 1) Pedestrian
- 2) Transit
- 3) Cycling
- 4) Delivery
- 5) Vehicles



How to Get to AAA in CNV?

- Allocate streets to the form of transportation you want
- Eliminate gaps in existing AAA routes
- Take advantage of development
- Arterial bike routes require separation
- Traffic diverters and traffic calming
- Consider one-way streets
- Pay now to pay less later

What the 60% Want



Cycle Track on Lonsdale!



Cycle Tracks
Two-Way Cycle Track