

Achieving a Major Bike Mode Shift in Vancouver By Dale Bracewell, Manager Transportation Planning







Transportation 2040

Plan as adopted by Vancouver City Council on October 31, 2012





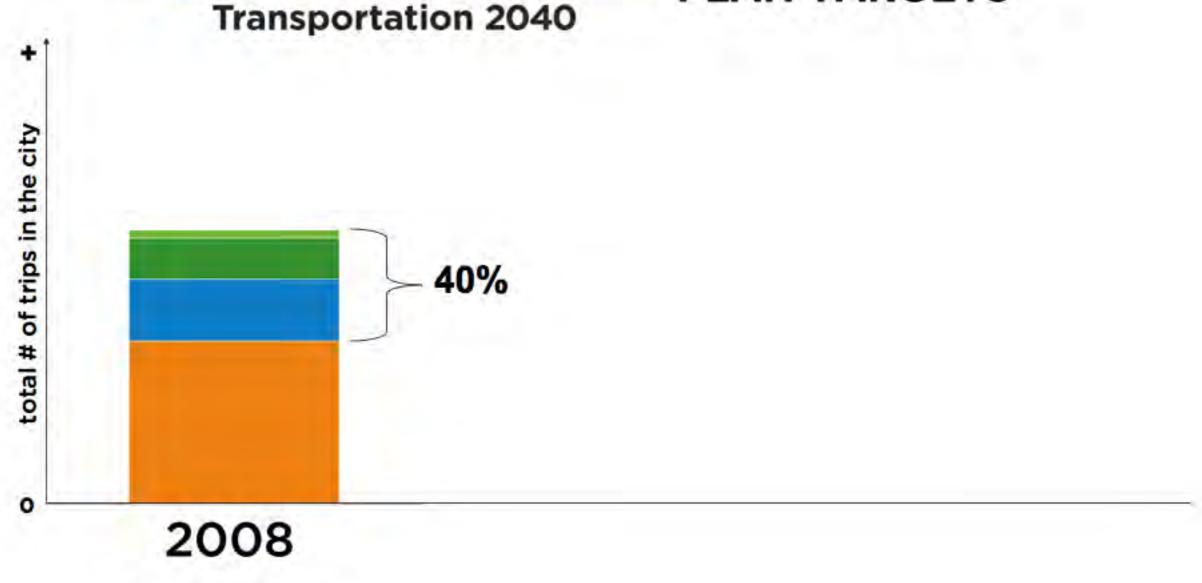


Healthy citizens in a safe, accessible, and vibrant city

City that enhances its natural environment for its people and the planet







40% of all trips on foot, bike, or transit







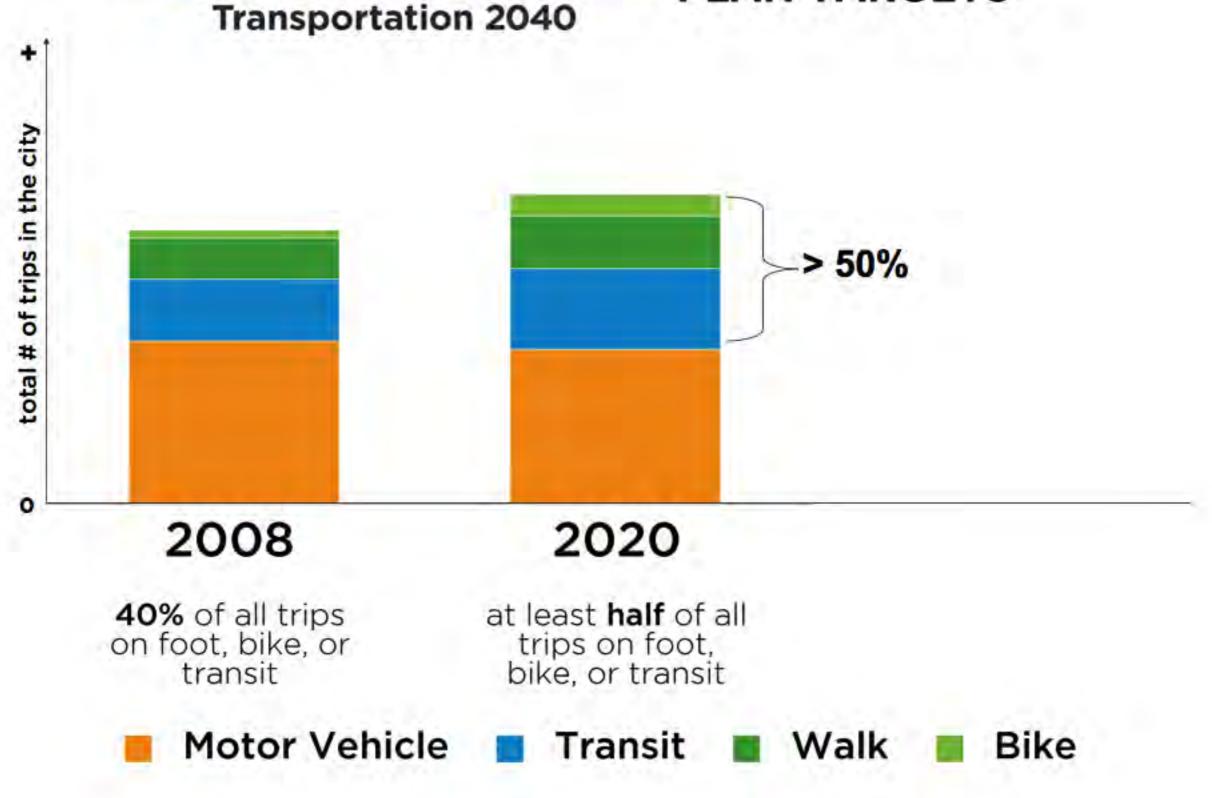


Walk

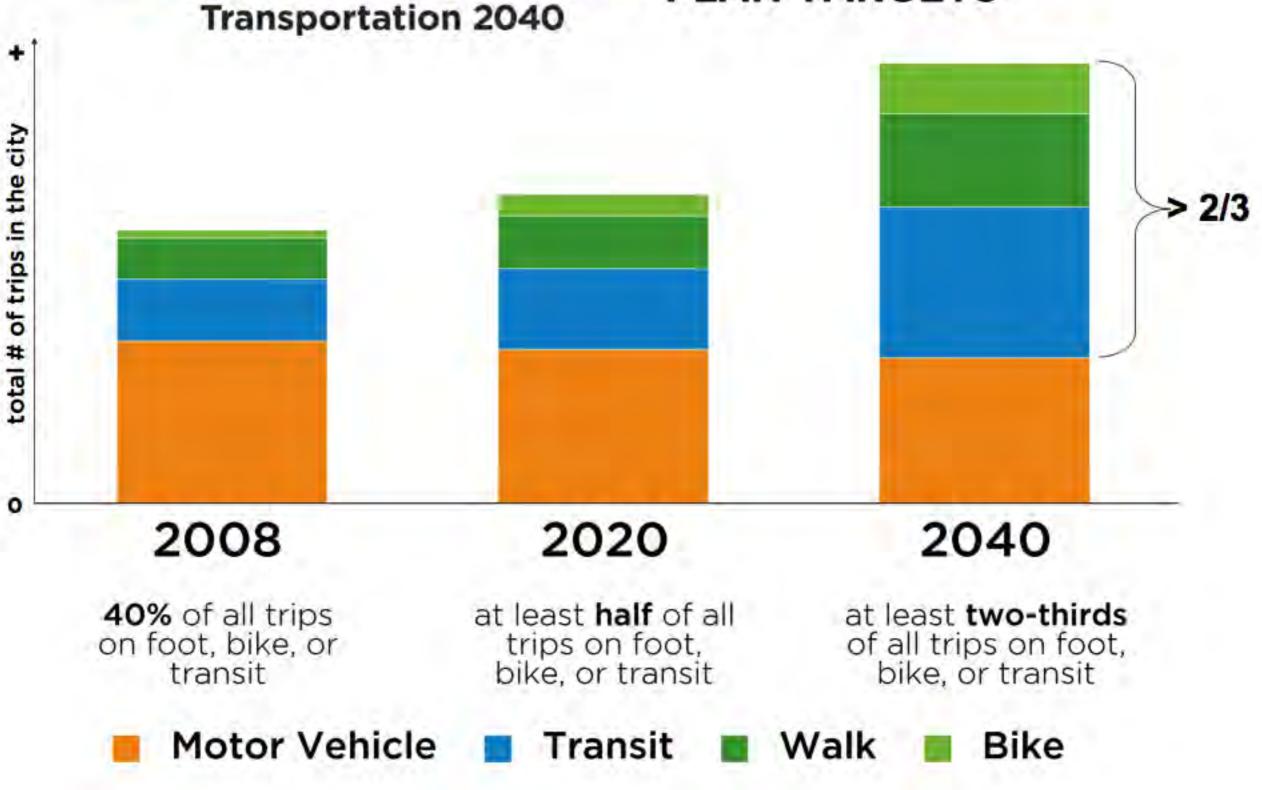


Bike





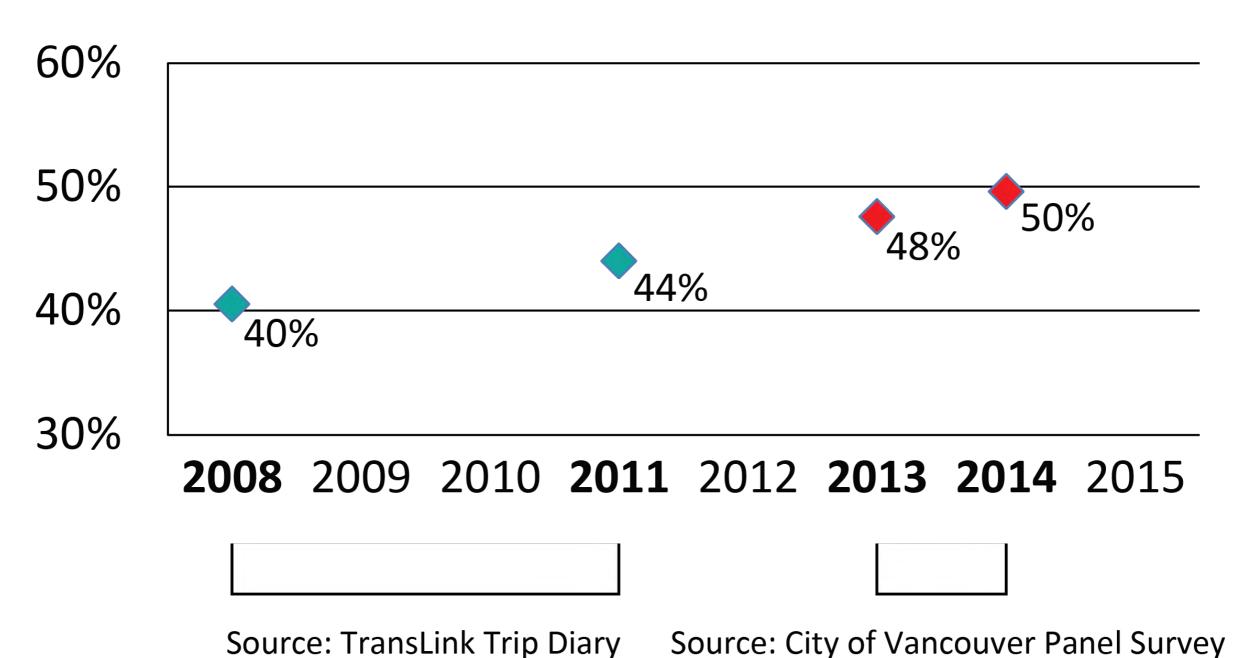
VANCOUVER.com PLAN TARGETS



Sustainable Mode Trend Analysis



% of People Walking, Cycling, and Taking Transit





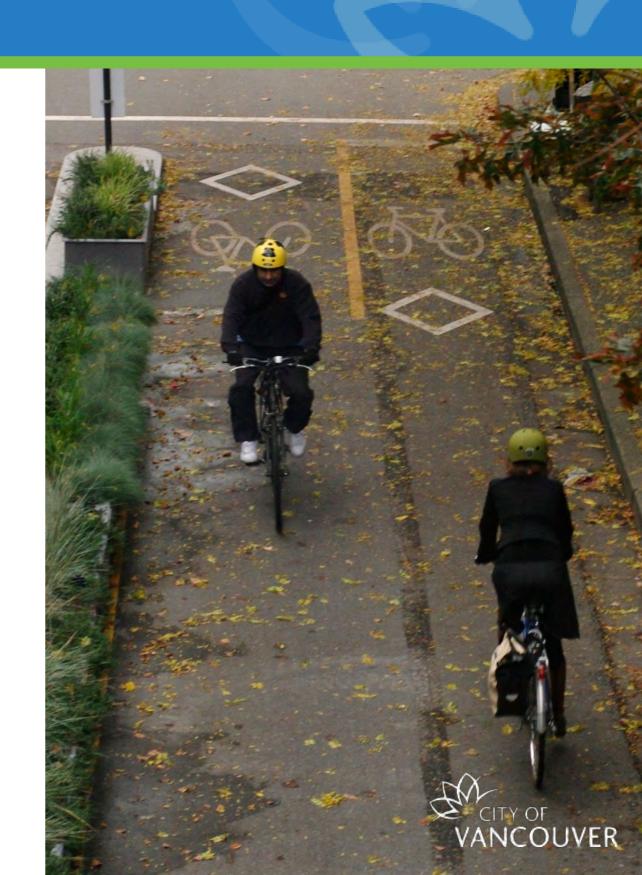


CYCLING

make cycling safe, convenient, comfortable & fun for people of all ages and abilities

Cycling Directions

- Build routes that are safe,
 comfortable & convenient
- Provide secure & abundant parking
- Improve integration with transit
- Promote cycling as an everyday option
- Focus on education & safety







Provide secure & abundant parking





Improve integration with transit



Promote cycling as an everyday option



DESIGNING FOR ALL AGES & ABILITIES





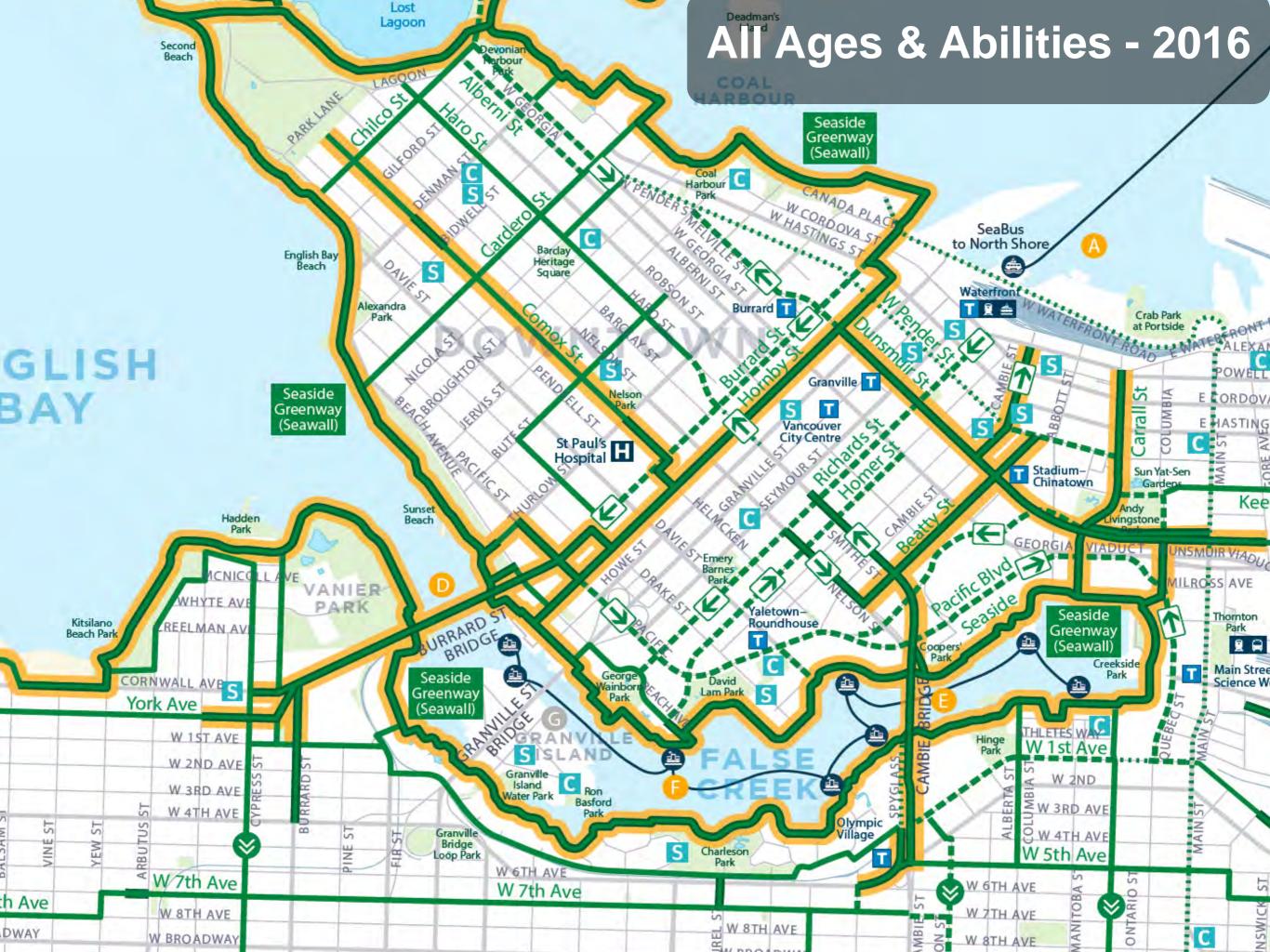
Reduce car speeds & volumes

Physically separate users

What is AAA Cycling?







How do we select our Active Transportation corridors?





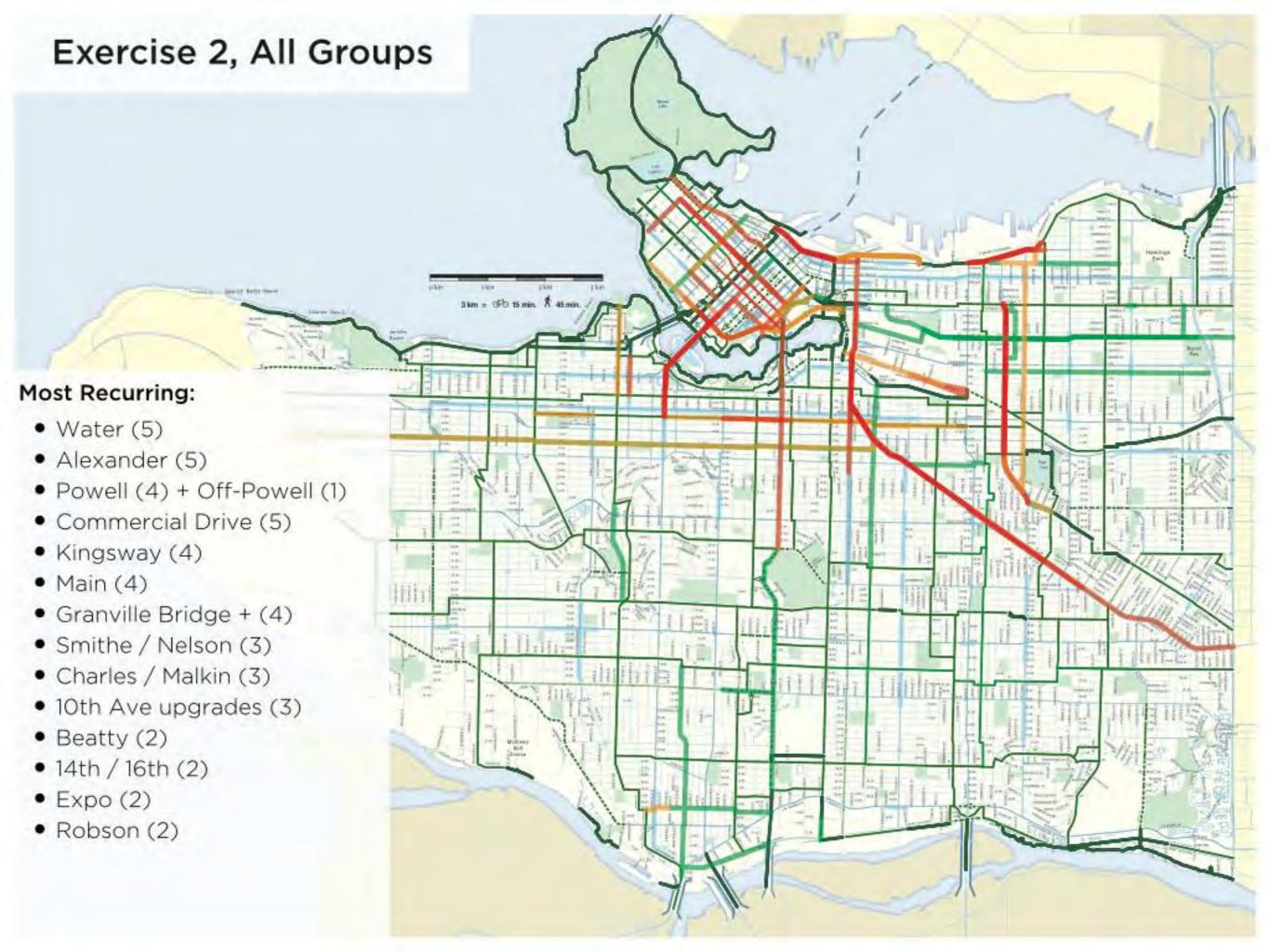
Prioritize

- Gaps in the network
- Areas with high existing or potential ridership
- Priority destinations, e.g. schools, community centres, high streets, transit stations
- High collision locations

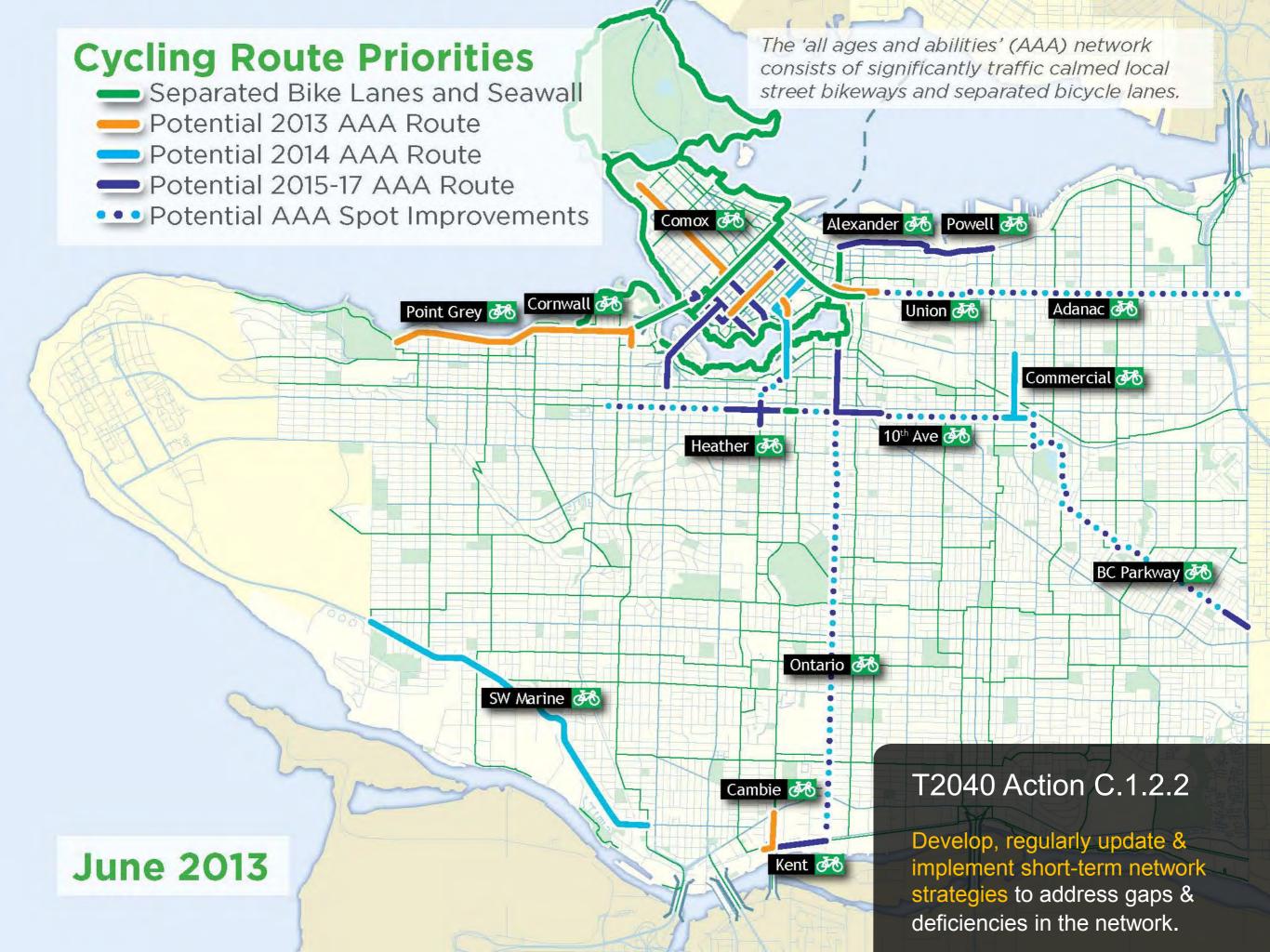
Other Factors

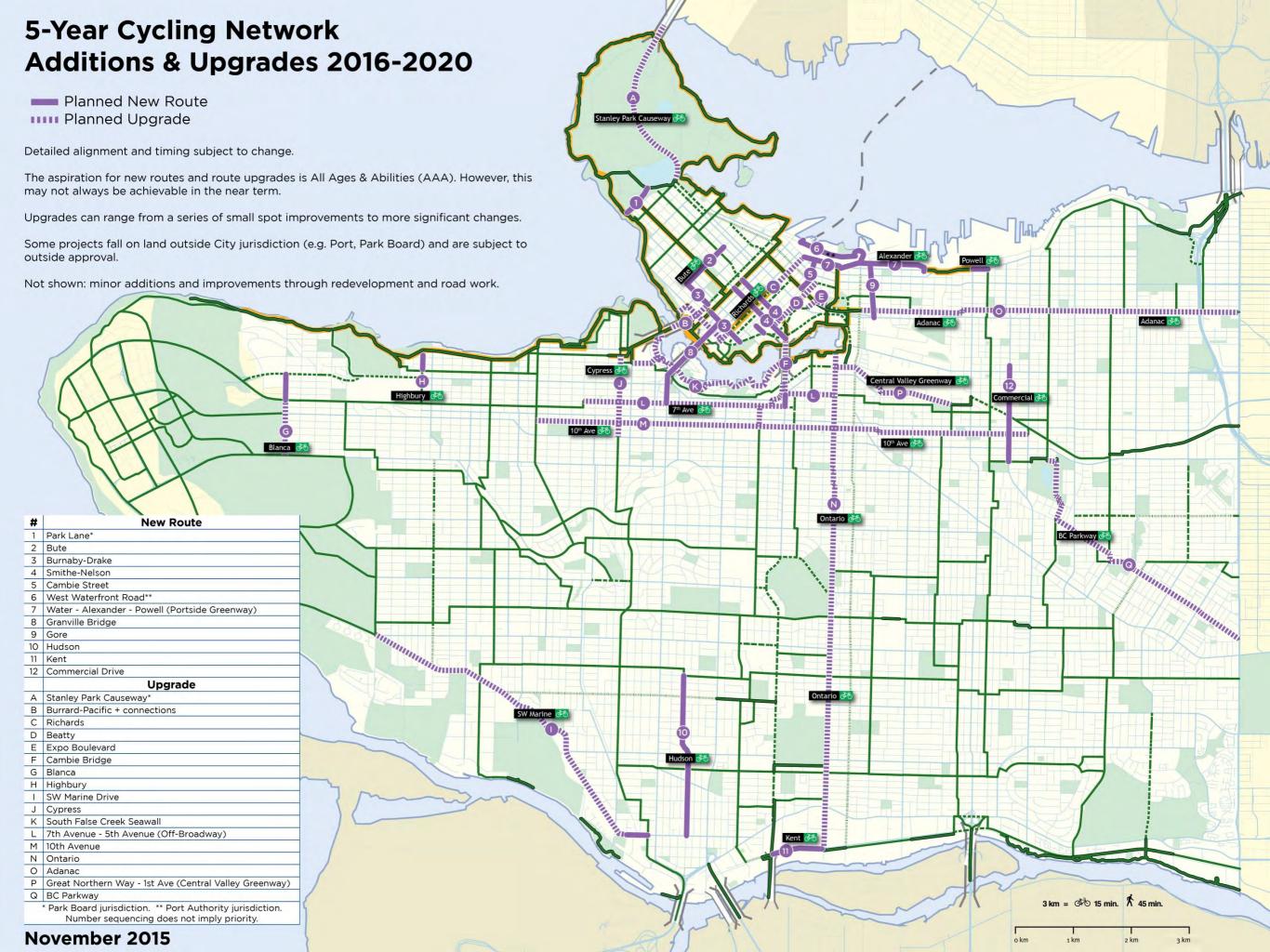
- topography
- route directness
- impacts to transit, traffic
- impacts to loading, services, local businesses

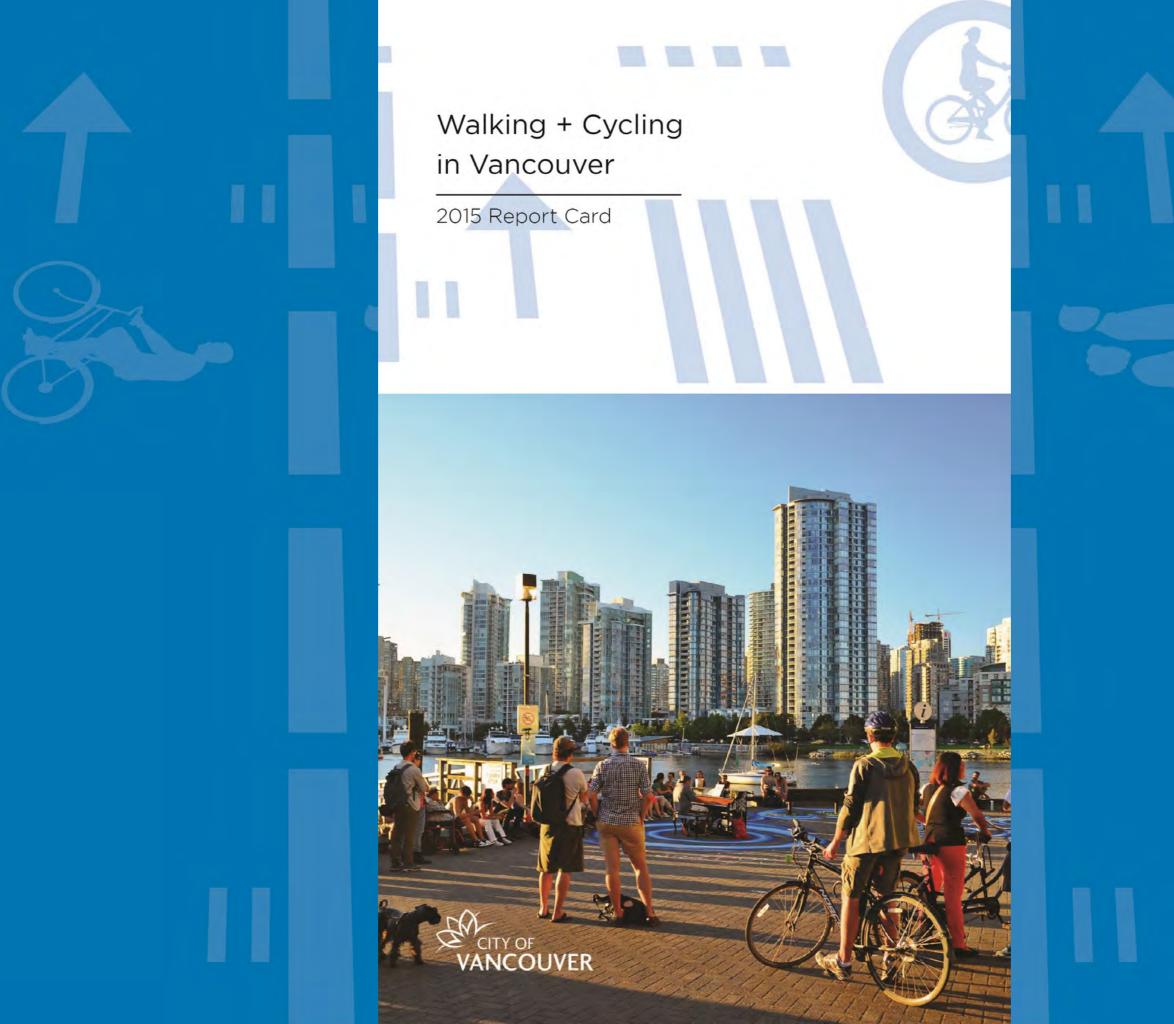








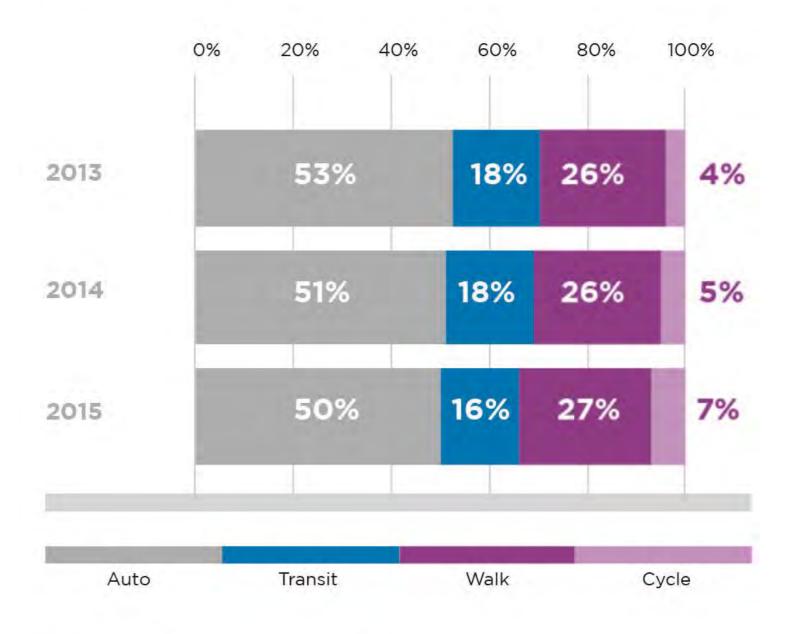






Vancouverites are making more of their trips on foot and by bike every year.

Mode Share for All Trips



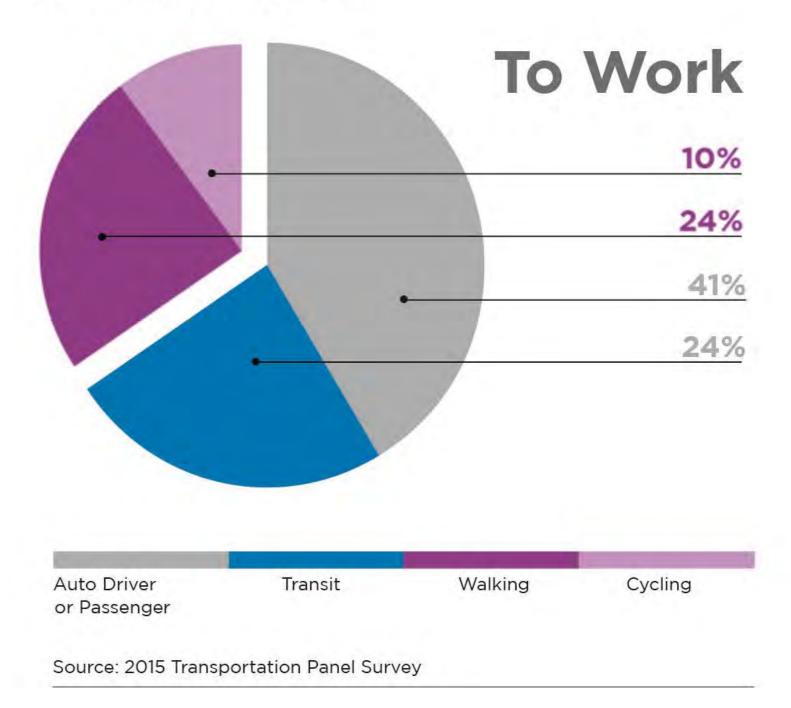
Source: 2015 Transportation Panel Survey



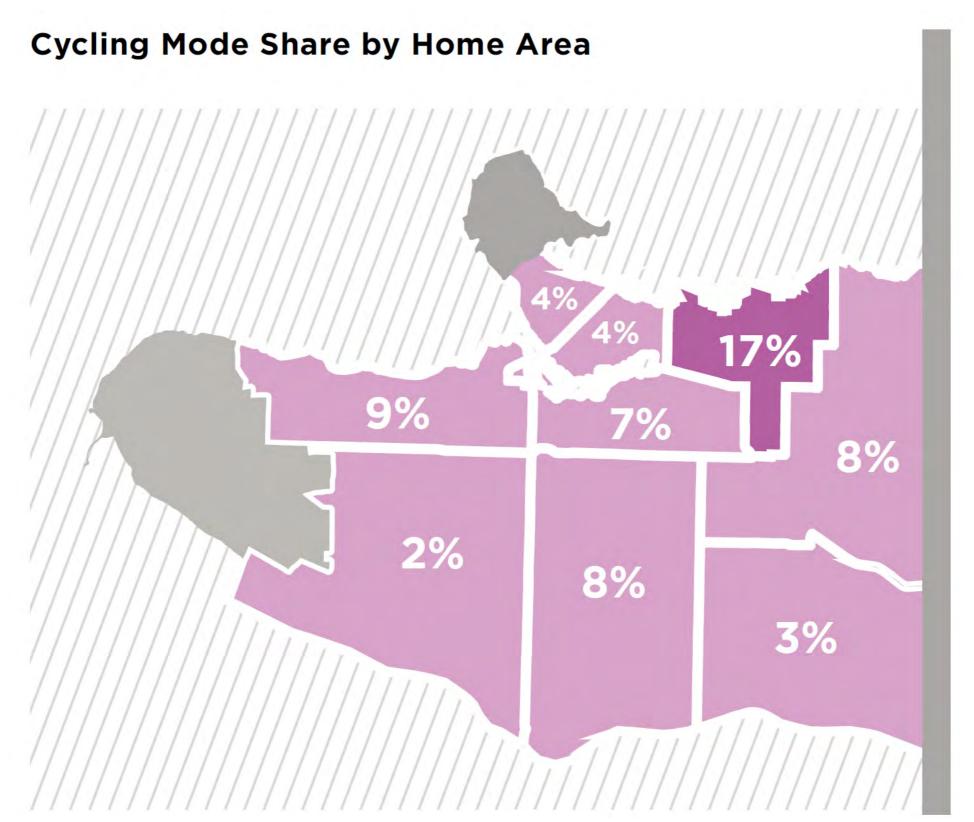
Trip Made by Foot and Bike

Ten per cent of Vancouverites cycle to work and 24 per cent walk to work.

Mode Share by Destination



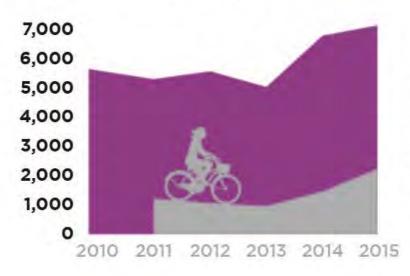




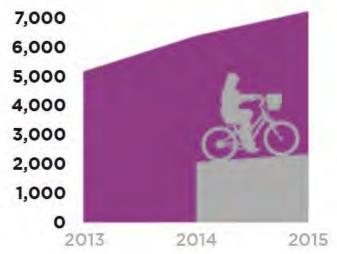


Cycling Volumes

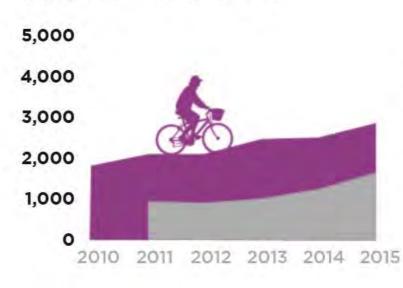
Burrard Bridge Daily mid-week bike trips*



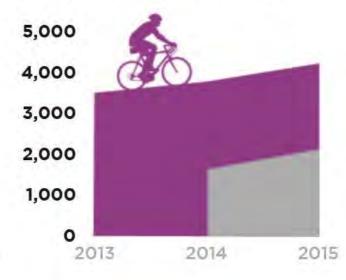
Seawall at Science World Daily mid-week bike trips*



Dunsmuir Viaduct
Daily mid-week bike trips*



Union Street at Hawks Avenue Daily mid-week bike trips*



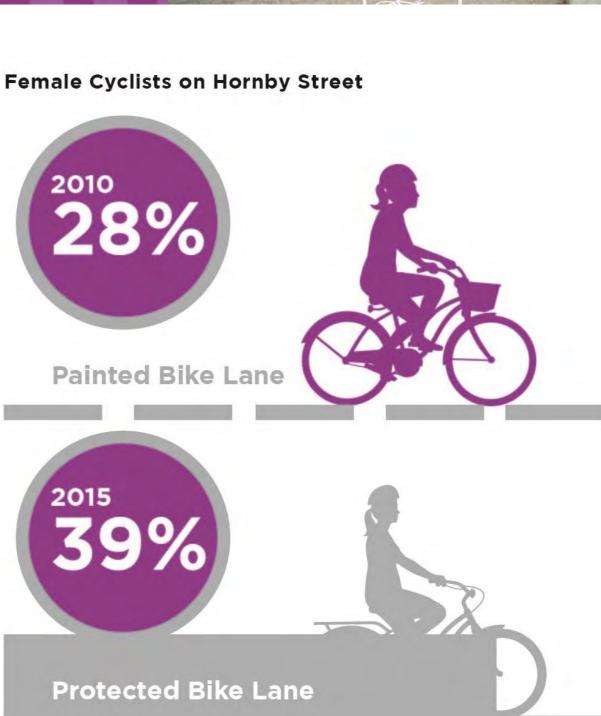
Source: City of Vancouver bike counter data.

*Average of Tuesdays, Wednesdays and Thursdays, except statutory holidays



Who is Walking and Cycling in Vancouver?

The share of women cycling on Hornby Street grew 40% after a protected bike lane was constructed in 2011.



Building out our All Ages & Abilities Cycling Network



Neighbourhood Bikeways & Greenways





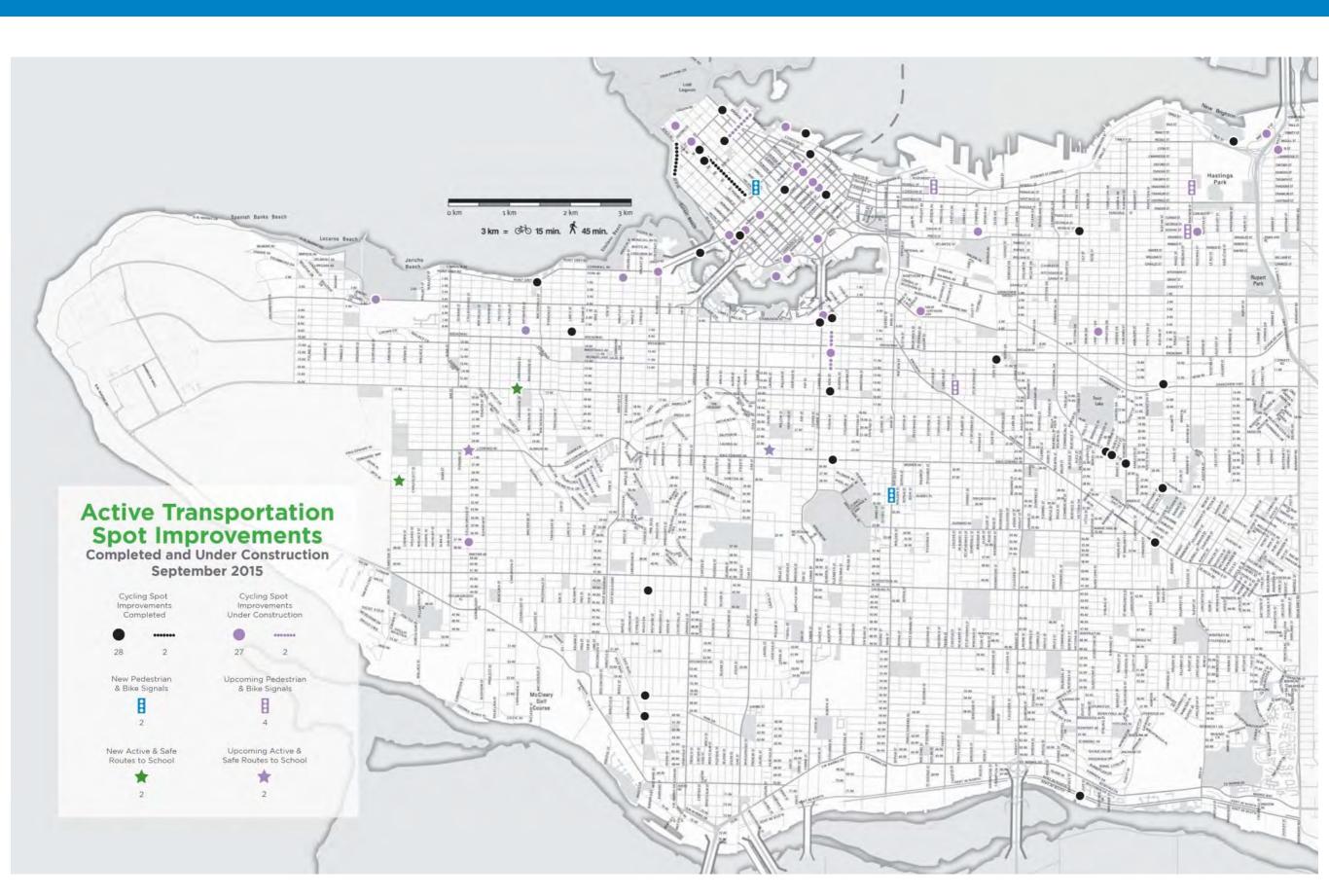




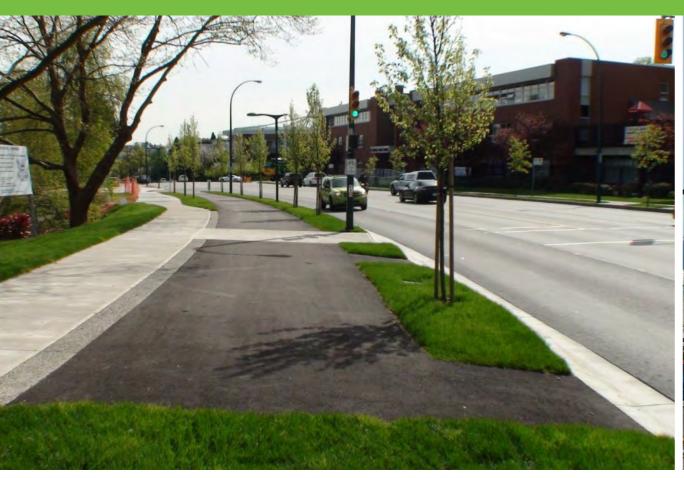


Active Transportation Spot Improvements





Redevelopment - New Sidewalks & Cycle Tracks







Recent Seawall Improvements





Network Management - Slow Cycling Event Zones





Dragon Boat Festival

Local Street Bikeway Maintenance





After Repaving

Protected Bikeways including Protected Intersections



Streetfilms: Vancouver's Safe Protected Bike Lanes





Vancouver's Breathtaking Network of Safe, Protected Bike Lanes by Clarence Eckerson Jr. on September 20, 2016 | 4895 Plays

In 2012, the Vancouver City Council set an ambitious goal to reach a bicycle mode share of 7 percent of all trips by 2020. The city proceeded to hit the mark in 2015, five years ahead of schedule! When you ... READ THE FULL POST



STREETFILMS 11+ Million Plays of Livable Streets Vids! Browse Search... Terms of Use Category...





Our Most Recent Streetfilms:



Vancouver's Breathtaking Network of Safe, Protected Bike Lanes 5:36



Touring Copenhagen's Car-Free Bridges 5:47



Great Streets: Walking **Burlington's Church** Street 2:17



Why are New Yorkers bicycling to work in record numbers? 3:19

Browse All 600 Streetfilms ->



Bikes Are Freedom: Inspiration from the Experts 2:18

Meet The Cities: Vancouver Protected Intersections VANCOUVER



Burrard Bridge



South End (built 2014)

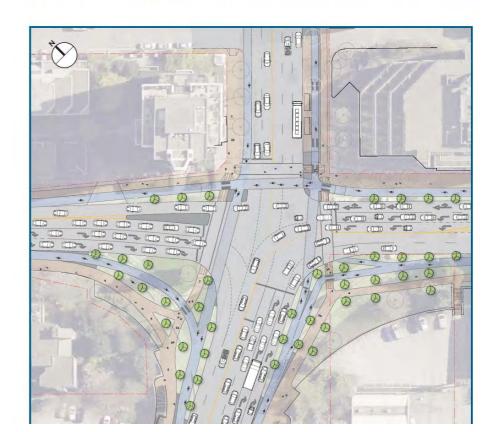






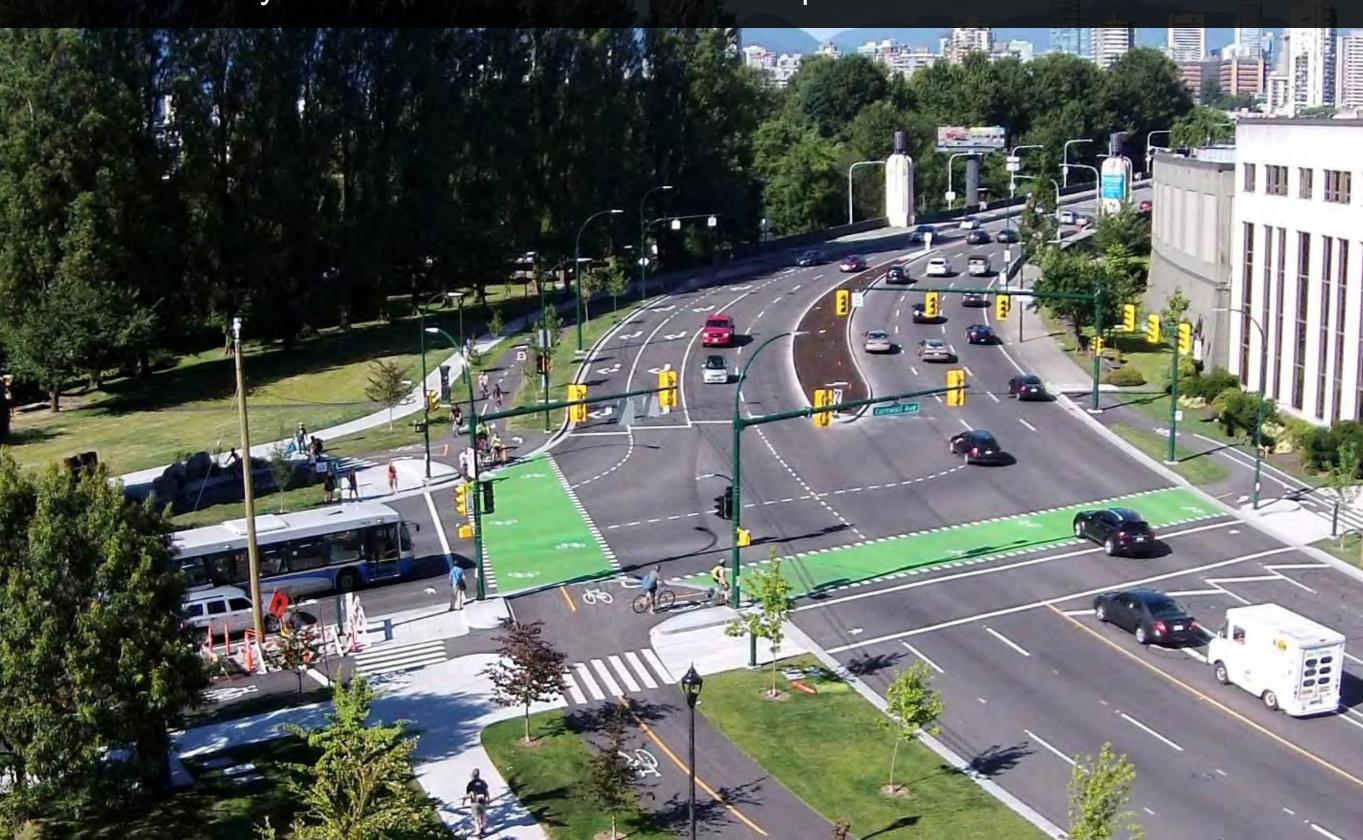


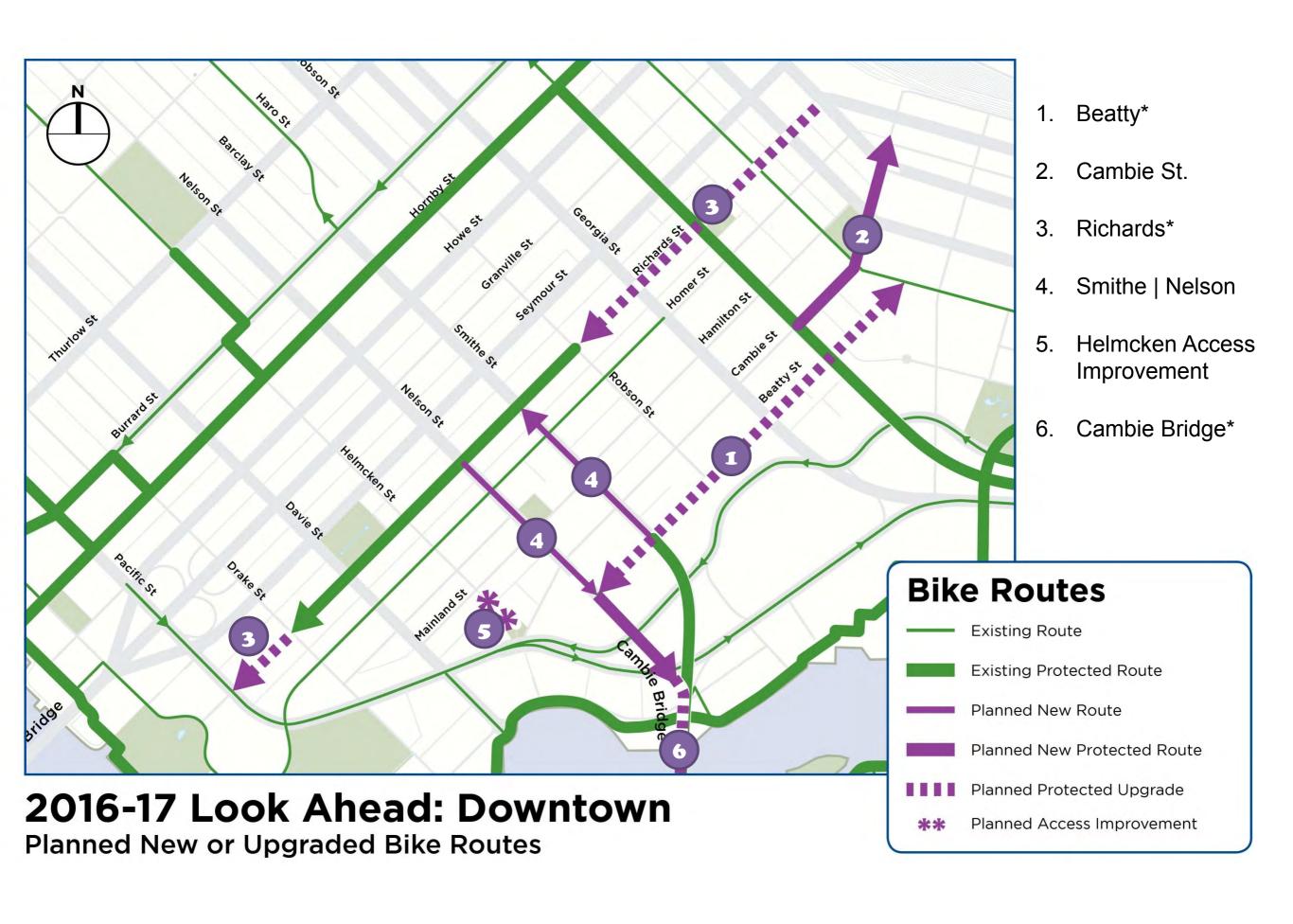
North End: Before (2015)



IMPROVING INFRASTRUCTURE, INCREASING RIDERSHIP

Bike volumes across the Burrard Bridge jumped 30% to over 1.3 million annually in the first year after the Burrard-Cornwall improvements

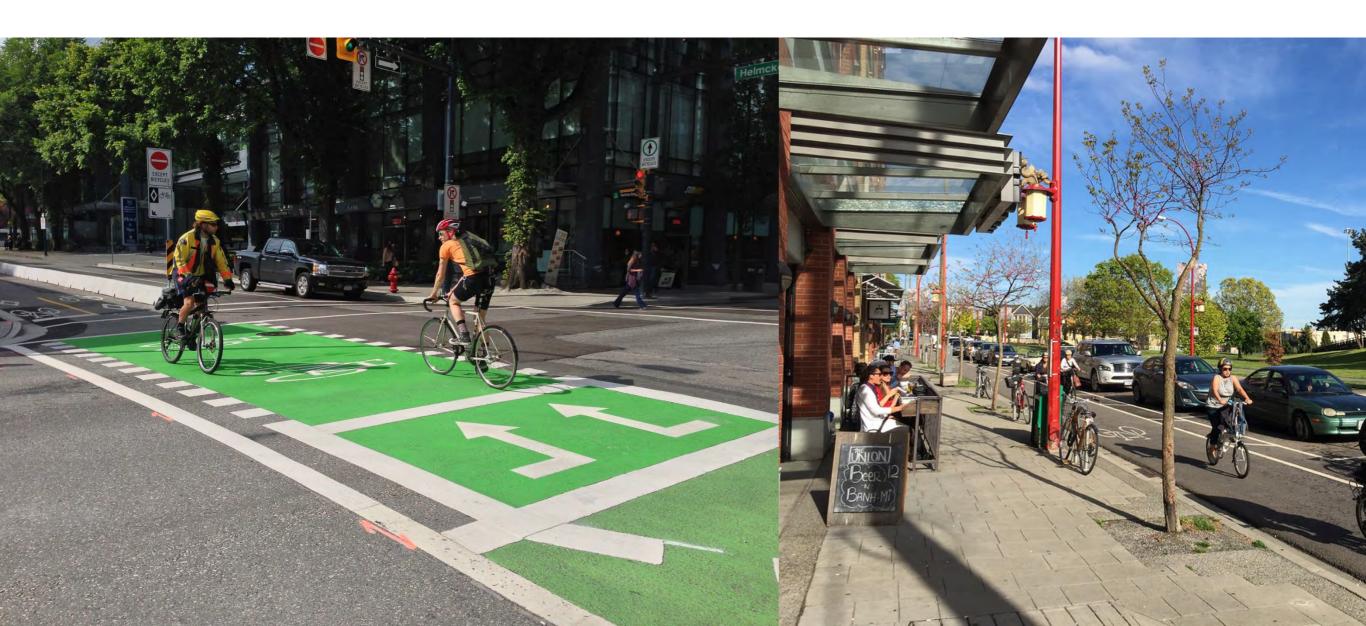




Downtown Bike Lane Network Expansion



- Detailed Stakeholder Engagement (March-April)
- Public Open House (March)
- Design Completion (April)
- Installation (April-June)



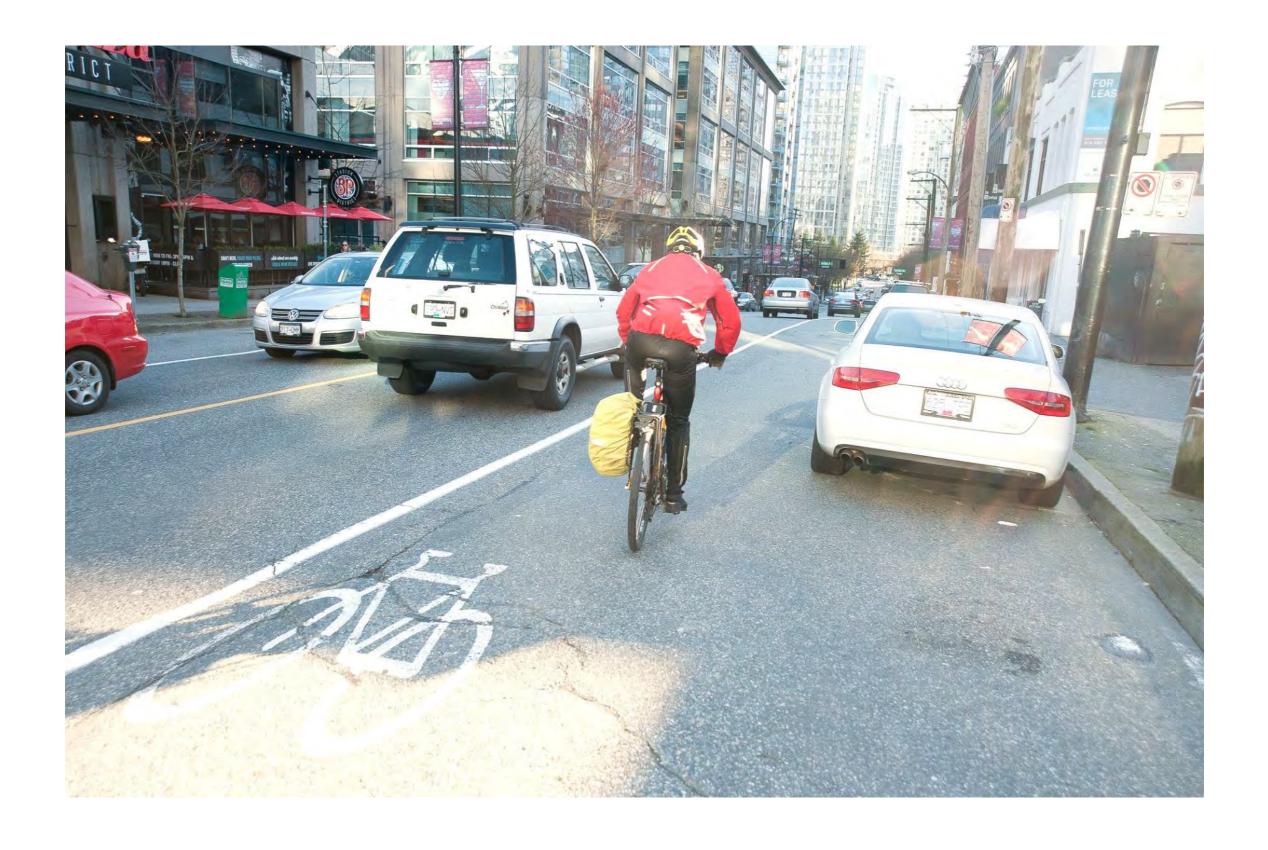
Beatty Street – Before



Beatty Street – After



Beatty Street – Before



Beatty Street – After



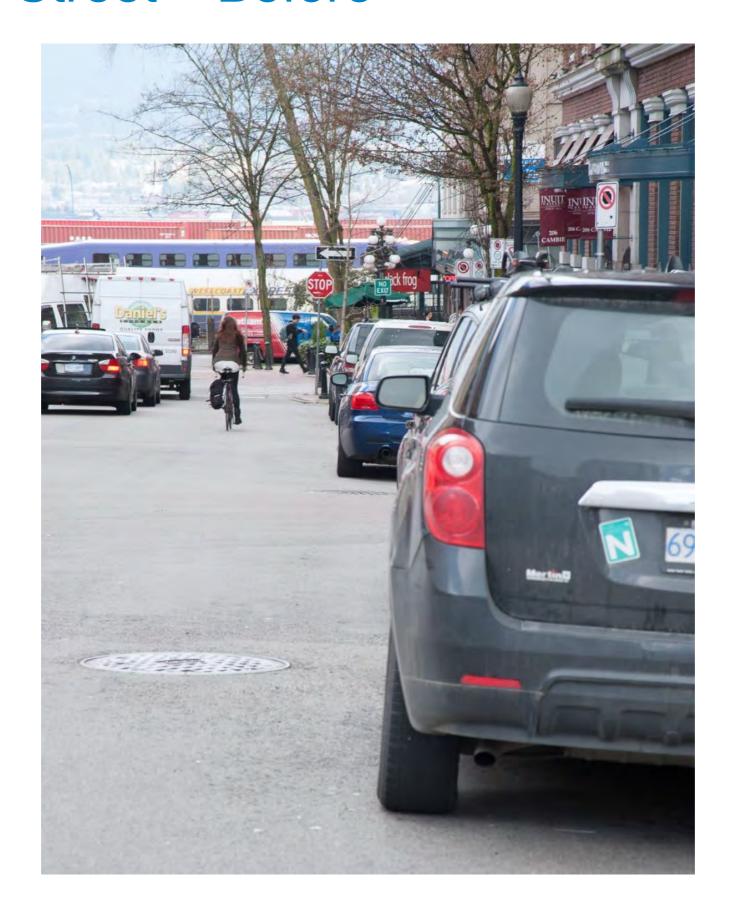
Cambie Street – Before



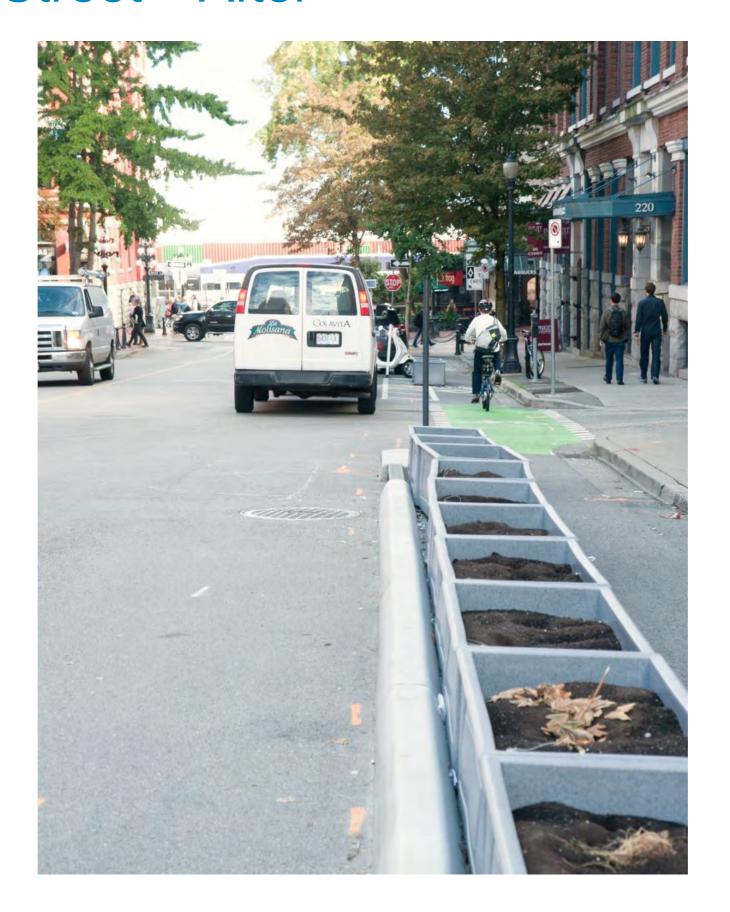
Cambie Street – After



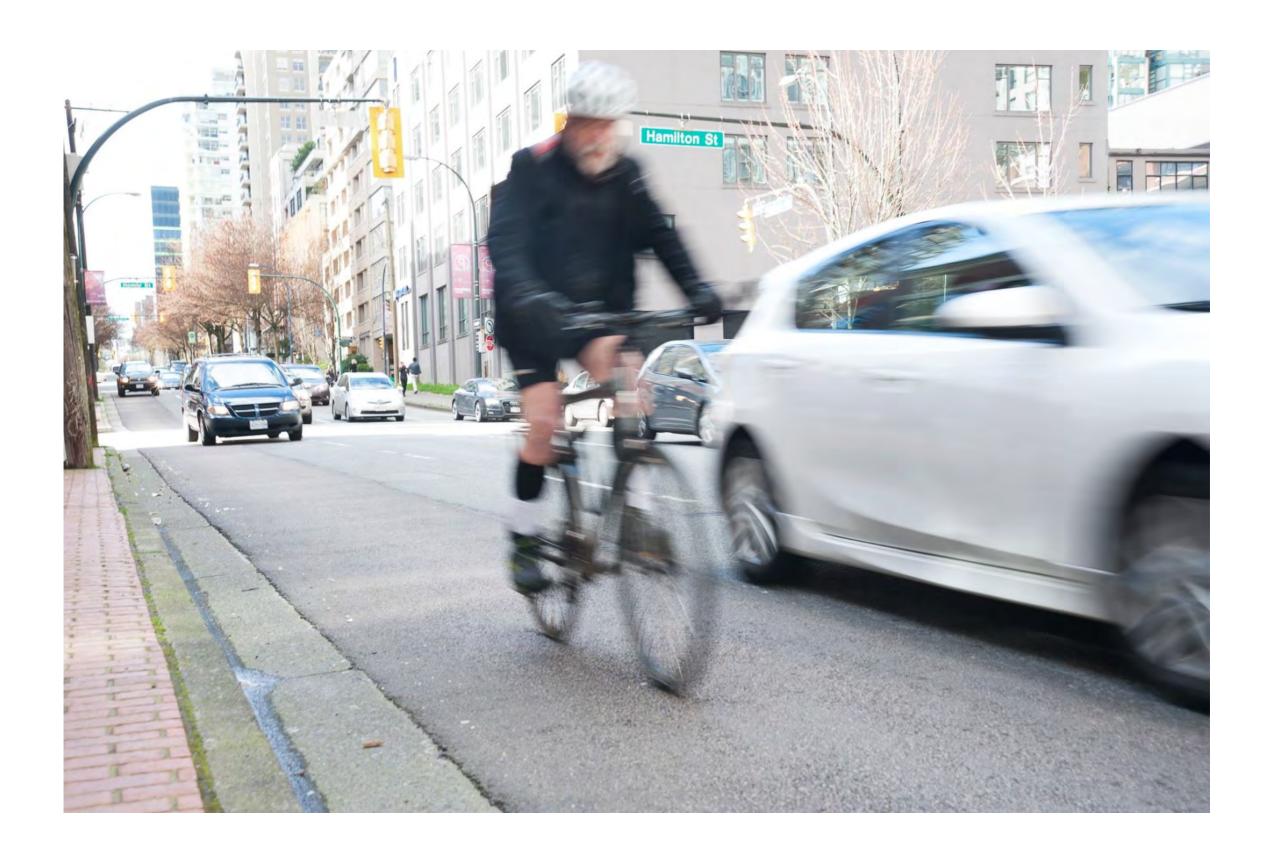
Cambie Street – Before



Cambie Street – After



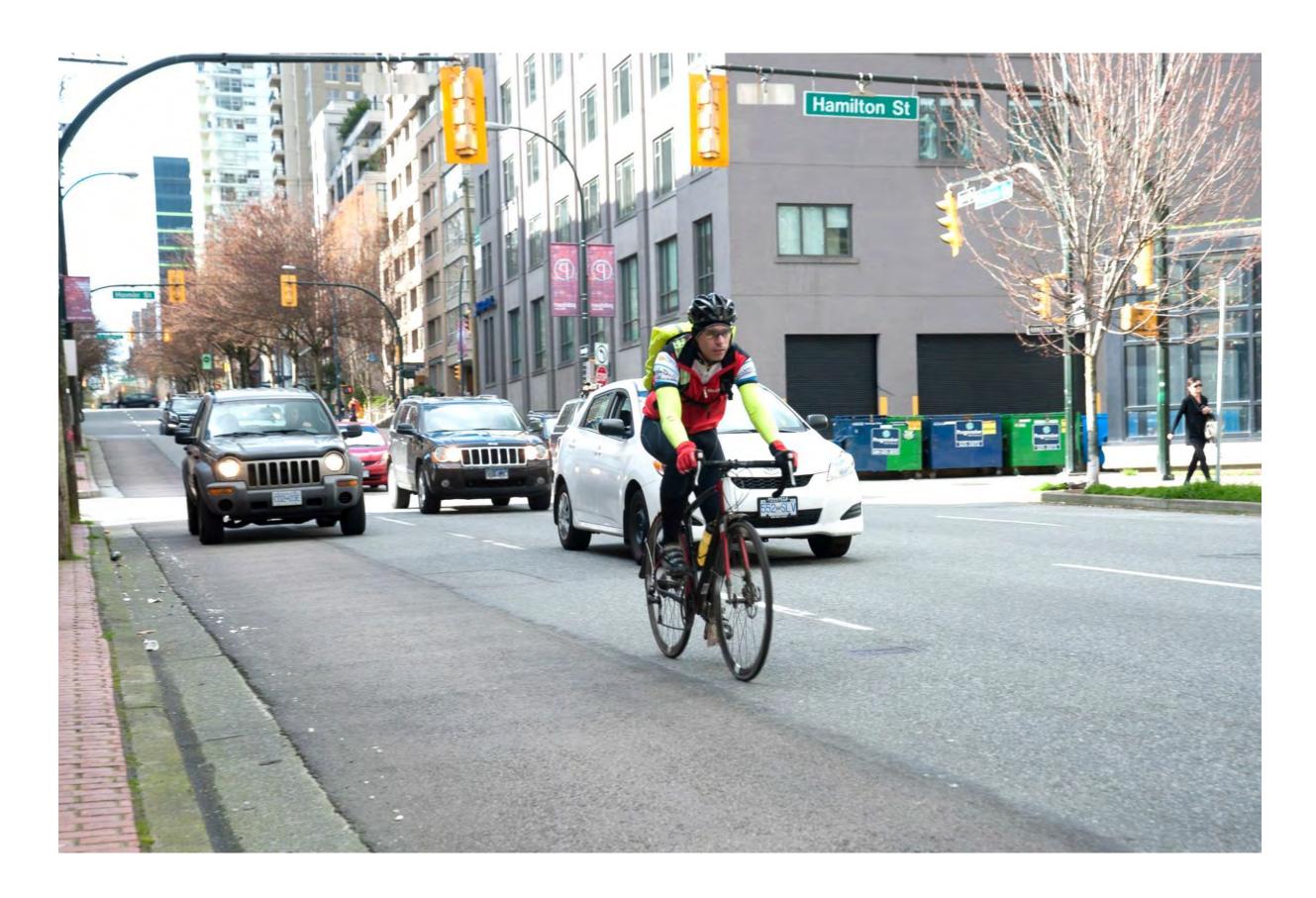
Nelson Street – Before



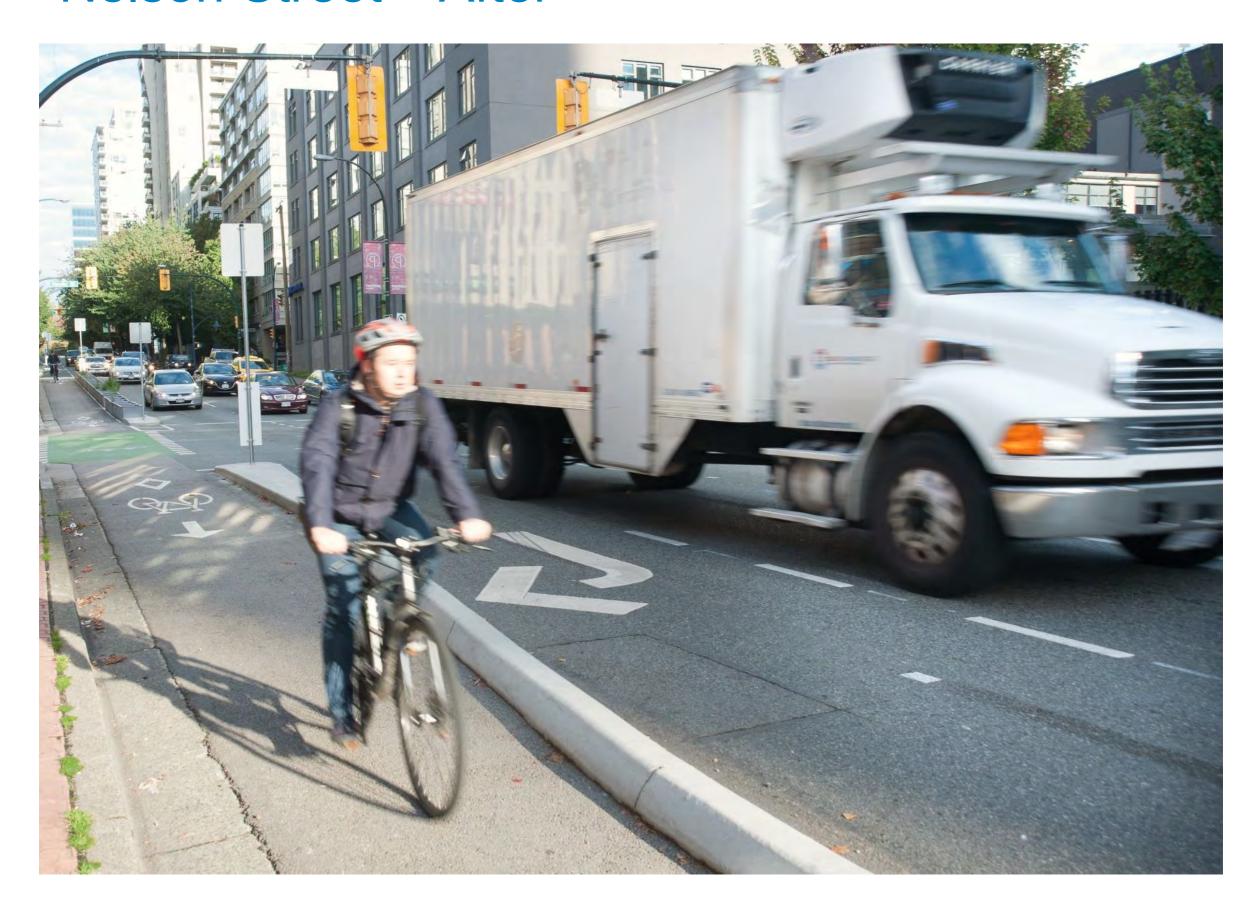
Nelson Street – After



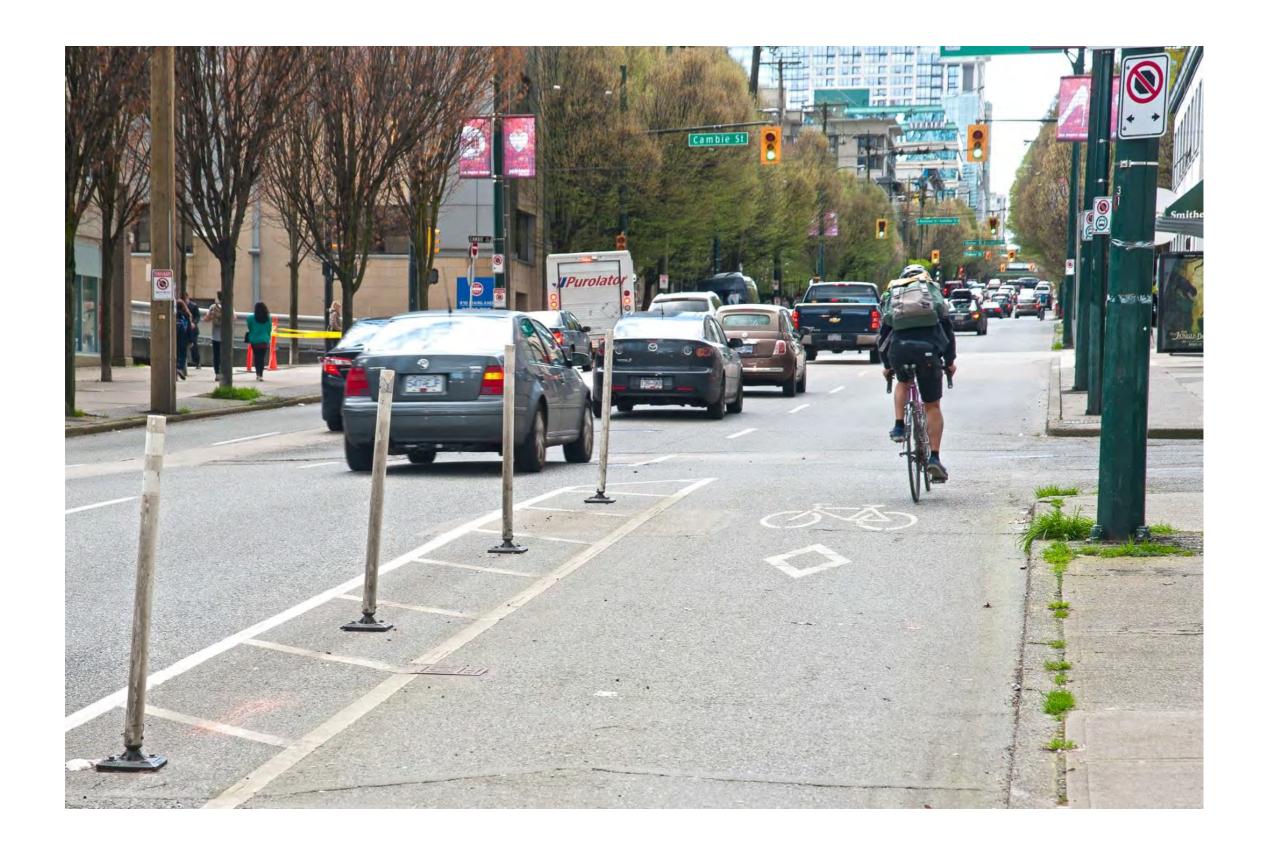
Nelson Street – Before



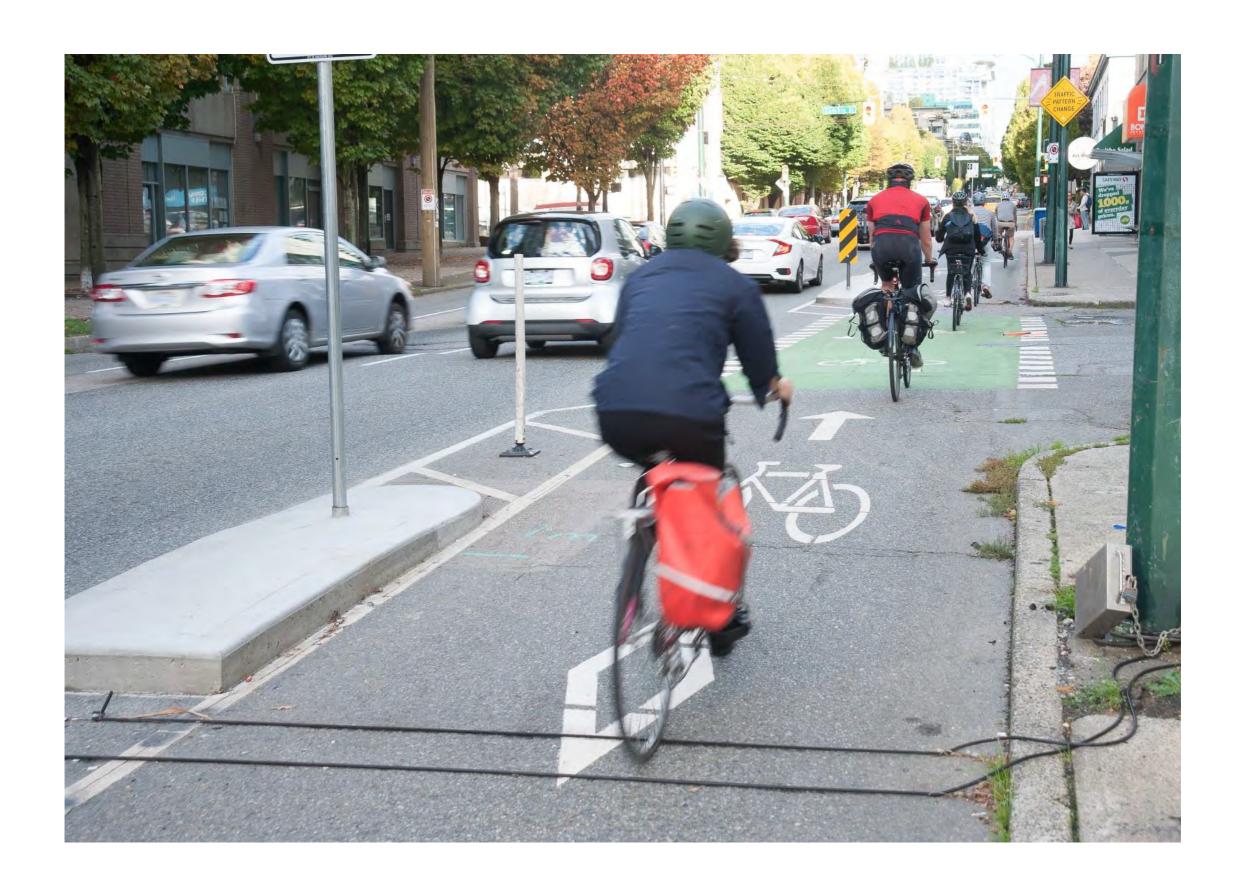
Nelson Street – After



Smithe Street – Before



Smithe Street – After



Smithe Street – Before



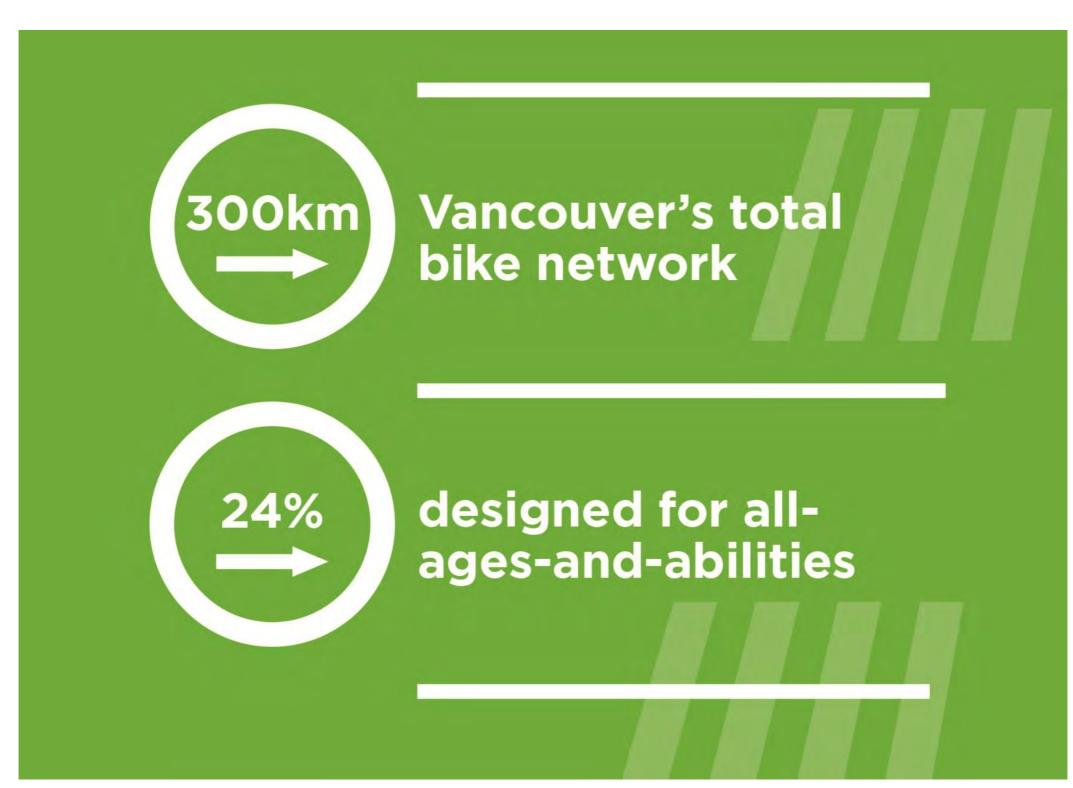
Smithe Street – After





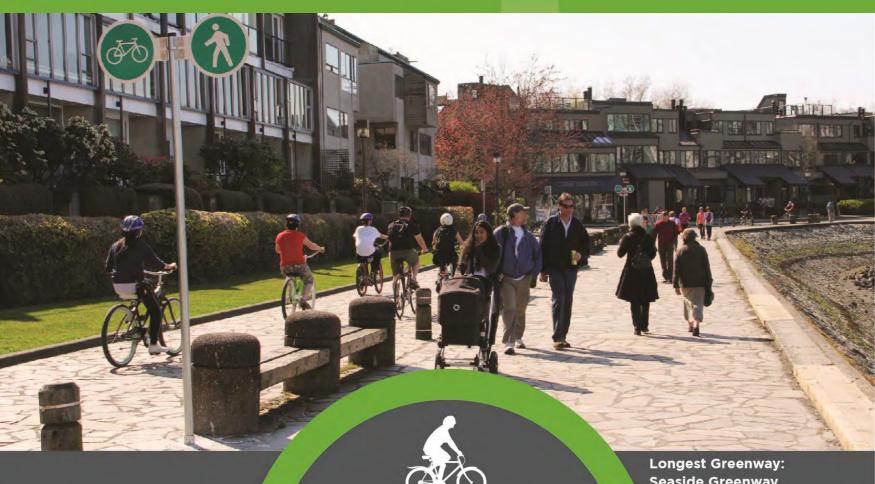
Walkability + Bikeability





Walkability + **Bikeability**





Seaside Greenway

54%

would like to travel by bicycle more often.

2015 Transportation Panel Survey

Walkability + Bikeability

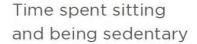




People of all ages and abilities can now walk and cycle along the Greenway from Stanley Park to Hornby Street through the West End.

Greenway Health Benefits







Days of poor physical and mental health



Days engaged in moderate physical activity per week

Addressing Barriers



Cycling Safety

A large part of feeling safe while cycling is being protected from higher-speed motor vehicle traffic, whether through physical barriers, or traffic-calming measures designed to slow vehicle speeds.

Between 2008 and 2011:





Addressing Barriers



Education and Promotion



Educating, promoting, and celebrating are important to build a culture in Vancouver that supports and encourages active transportation.

Our aim is for Vancouverites to see walking and cycling as convenient, fun, and normal ways to get around every day.

Big Moves in Vancouver

(in addition to building our AAAA Network)

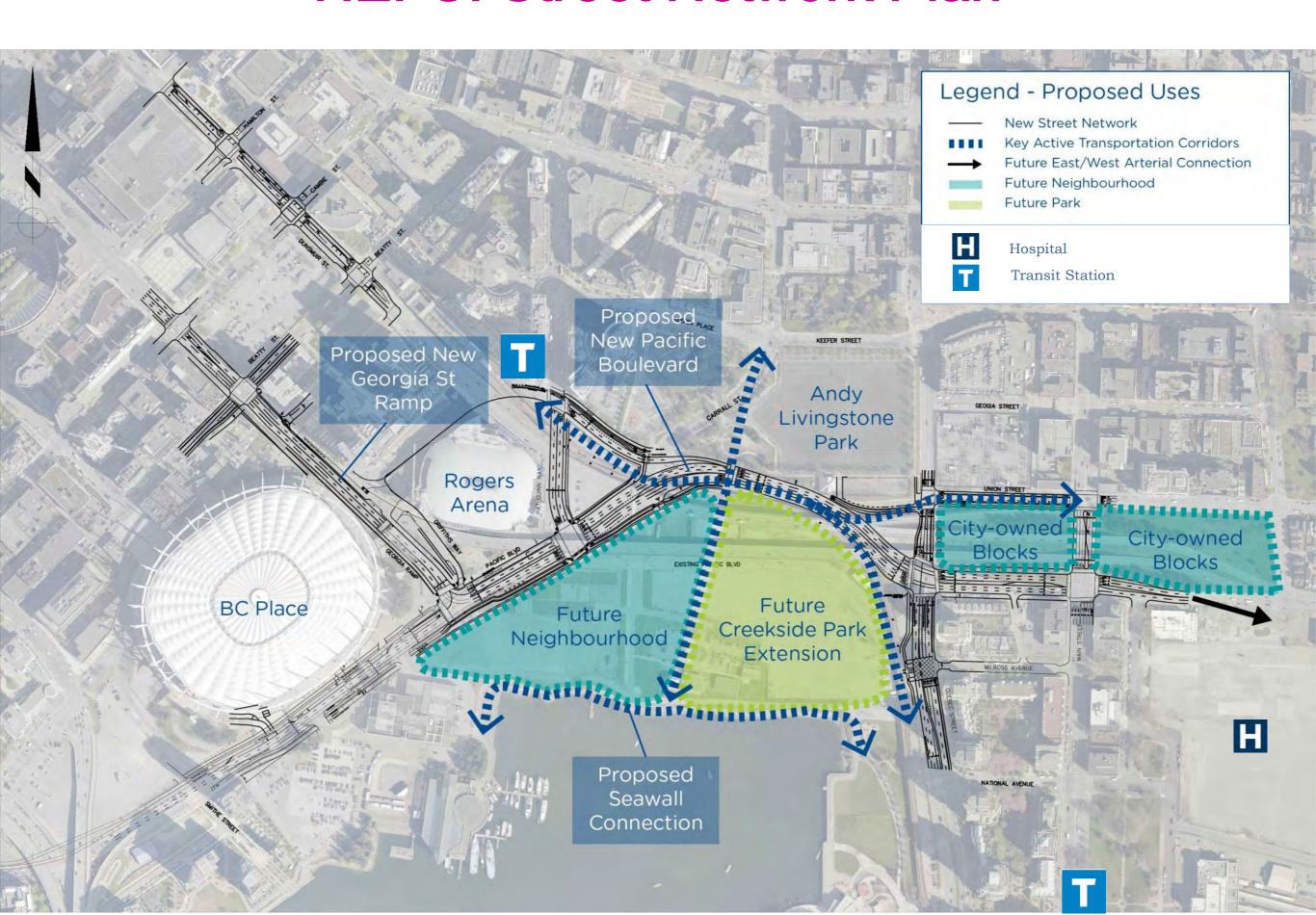


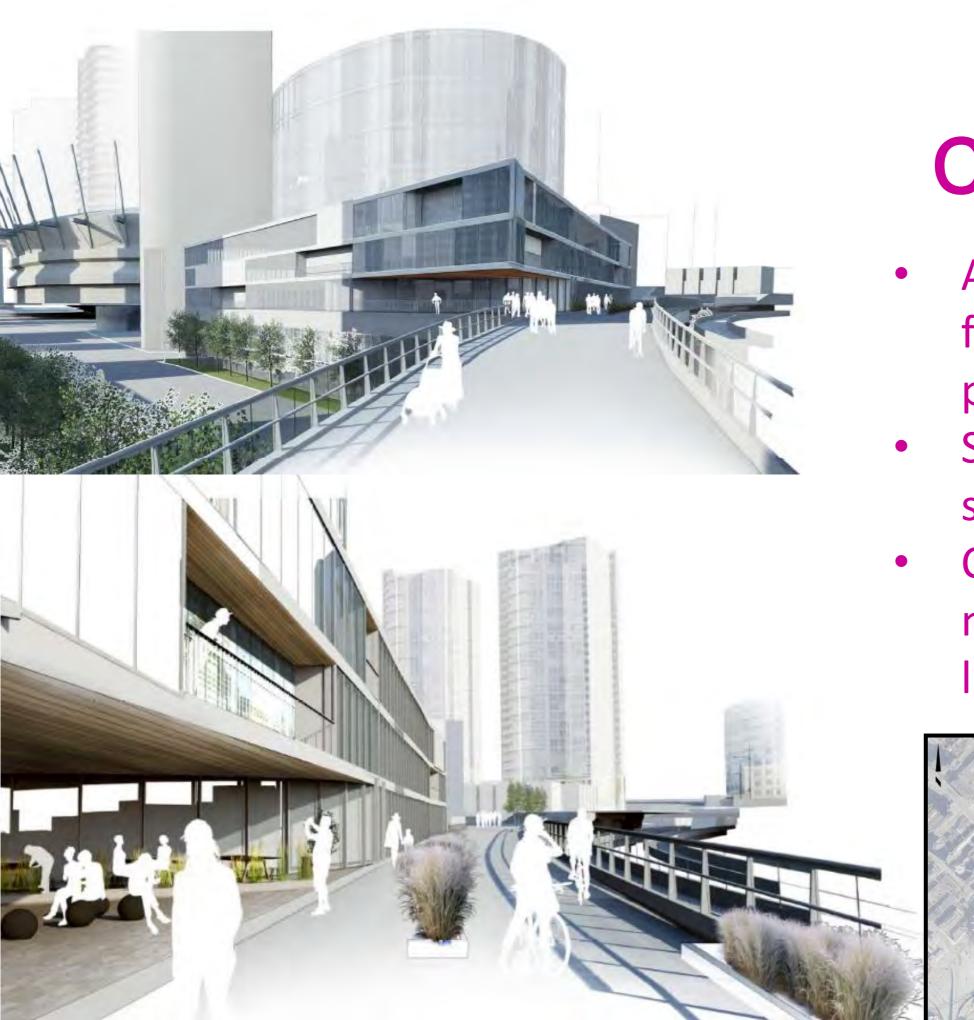
BIKES WE SHARE





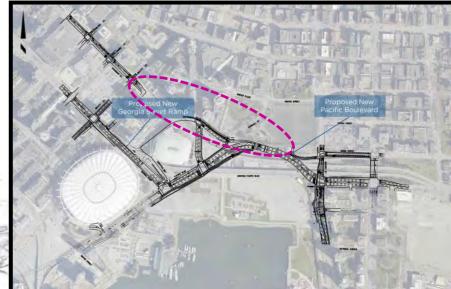
NEFC: Street Network Plan





Dunsmuir Connection

- An elevated park for pedestrians and people cycling
- Sufficient width for safety and capacity
- Connections to new park & main link to Downtown

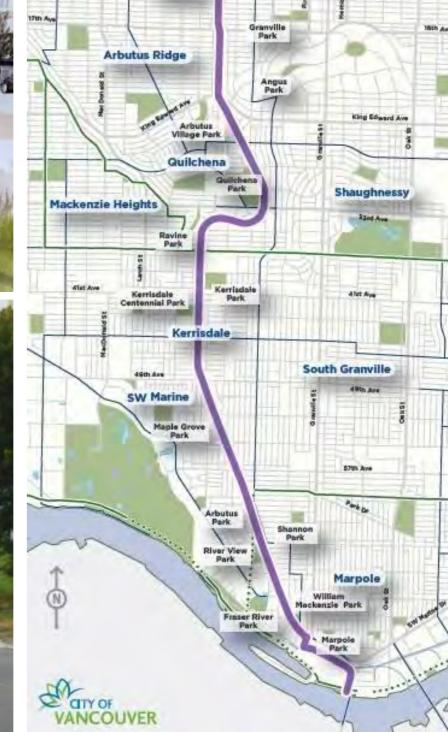


The Arbutus Greenway



Fairview





Kitsilano

