

10th Ave Corridor Phase 3 Open Houses



Since the summer of 2015, staff have been engaging stakeholders, residents, service providers, and the general public about improving the 10th Ave Corridor for walking and cycling while accommodating motor vehicle access.

Please review the materials presented today and provide your feedback on design recommendations for three segments in the 10th Ave Corridor.

What you will see today!

Design recommendations and information for:

- 10th Ave Health Precinct: Oak St to Cambie St
- 10th Ave: Quebec St to Guelph St
- 10th Ave: Commercial Dr to Victoria Dr
- Future Improvements

Share your feedback

Please submit
comments by
December 12, 2016

- | | |
|------------------|---|
| In Person | Complete a comment sheet at an Open House |
| Online | View the display boards and complete a comment sheet online at vancouver.ca/10th-Avenue |
| By Email | Send comments or questions to 10thAvenue@vancouver.ca |
| By Phone | Call 3-1-1 to provide comments or questions |

Why 10th Ave?



10th Ave Corridor Phase 3 Open Houses

10th Ave has been a busy bike route for over 10 years and is one of the most direct East-West connectors in Vancouver's cycling network. The goal is to improve the route for people who cycle to ensure it is safe and comfortable for all ages and abilities (AAA).

Improving 10th Ave

Every summer day, roughly **2,000 to 3,000 people bike** through the busier locations along 10th Avenue, making this one of the City's most important east-west bike routes, with an annual total of **over 600,000 trips**. In some segments, the street also sees high vehicle traffic volumes. Through a full public engagement process and collaboration with many stakeholders, City staff are working to improve the 10th Ave Corridor to make it safer and more comfortable for people of all ages and abilities to walk and cycle.

Project Goals

- Improve comfort and accessibility for people walking and cycling, especially in busier sections around VGH
- Address safety concerns for all road users, especially at key intersections
- Accommodate the loading and access needs of adjacent businesses and institutions
- Help people driving, who may not be accustomed to high bicycle volumes, get to their destinations along 10th Ave safely and comfortably.

10th Ave Route Information

Designation	Local street bikeway
Geographical Area	Trafalgar St to Victoria Dr
Length	7.2 km
Connections	<p>Destinations:</p> <ul style="list-style-type: none"> ▪ Various schools, busy commercial areas (most of Broadway corridor, Commercial Dr, Main St, etc.), Health Precinct (VGH), City Hall <p>Intersecting bike routes:</p> <ul style="list-style-type: none"> ▪ Valley, Cypress, Heather, Yukon, Ontario, Windsor, Mosaic, Central Valley Greenway, future Arbutus Greenway <p>Connecting transit:</p> <ul style="list-style-type: none"> ▪ Expo Line (Commercial-Broadway Station), Canada Line (Broadway-City Hall Station)
Average Bicycle Volumes	<ul style="list-style-type: none"> ▪ 2,000 to 3,000/day (typical summer day) ▪ 600,000+ annually
Motor Vehicle Volumes	500 to 4,500/day (depending on location and neighbourhood)
Collisions Involving Bicycles	<ul style="list-style-type: none"> ▪ Approx. 40 cycling collisions reported each year (2009-2013)* ▪ 1/2 of the collisions occur at intersections* ▪ 5 years of VGH ER records show only 4 pedestrian-cyclist traffic incidents (2011-2016), representing 2% of all traffic-related incidents logged at ER

* Collision data from ICBC (2009-2013 inclusive). The City of Vancouver does not attribute to ICBC any results, information or data derived from the use, interpretation or analysis of the collision data.

Public Engagement to Date

The engagement process for the 10th Ave Corridor project began in summer 2015. Feedback has been received from the public and stakeholders through open houses, online surveys, emails, and working groups sessions.

By the Numbers:

360
Attended
Open Houses

100
Emails and 3-1-1
responses

2,900
Surveys
completed

30+
Health Precinct stakeholder
groups/ service providers
included in discussions

50+
Stakeholder
meetings

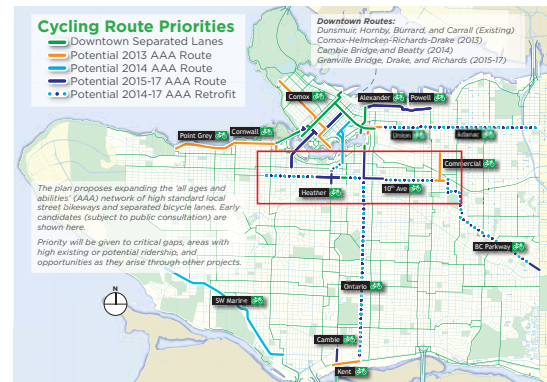


Transportation 2040

Transportation 2040 is a long-term strategic vision for the City that will help guide transportation and land use decisions and public investments for the years ahead. This plan identifies improving the 10th Ave bike route as a key project and it is highlighted on the plan's Cycling Route Priorities map.

Transportation 2040 directions:

- 2/3 of trips on foot, bike, and transit by 2040
- Build cycling routes that feel comfortable for people of all ages and abilities (C1.1)
- Upgrade and expand the cycling network to efficiently connect people to destinations (C1.2)
- Make streets safer for walking (W1.1)
- Consider impacts to transit, commercial vehicles, and general traffic flow prior to reallocating road space (M1.2)
- Manage traffic to improve safety and neighbourhood livability (M1.3)
- Provide for efficient loading and unloading (G2.2)



10th Ave at Cambie Street

2015 - 2018 Capital Plan

10th Ave is one of three existing bikeways identified to be upgraded to “all ages and abilities” safety and comfort levels in the 2015-2018 Capital Plan.

Other Supporting Policies

Greenest City Action Plan

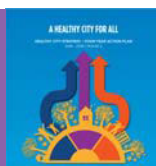
Goal 4: Green Transportation



- Make the majority of trips (over 50%) by foot, bicycle, and public transit by 2020
- Reduce the average distance driven per resident by 20% from 2007 levels

Healthy City Strategy 2014 - 2025

Goal 8: Active living and getting outside

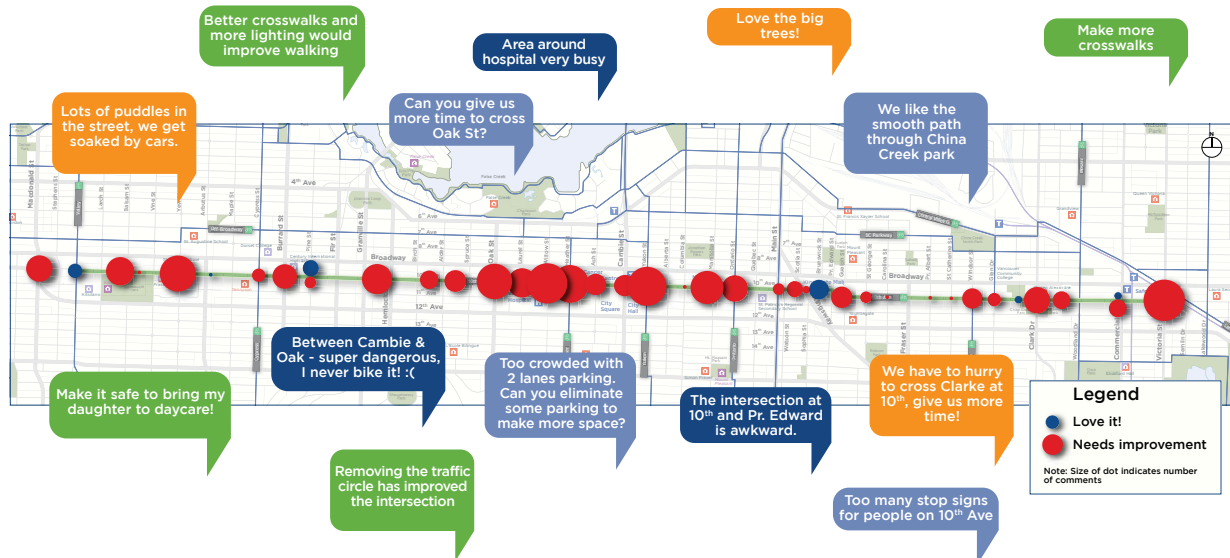


- All Vancouver residents live within a 5-minute walk of a park, greenway, or other green space by 2020
- Increase the percentage of Vancouver residents aged 18 and older who meet the Canadian Physical Activity Guidelines by 25% over 2014 levels

Where on 10th Ave?

10th Ave Corridor Phase 3 Open Houses

Prioritizing 10th Ave Improvements

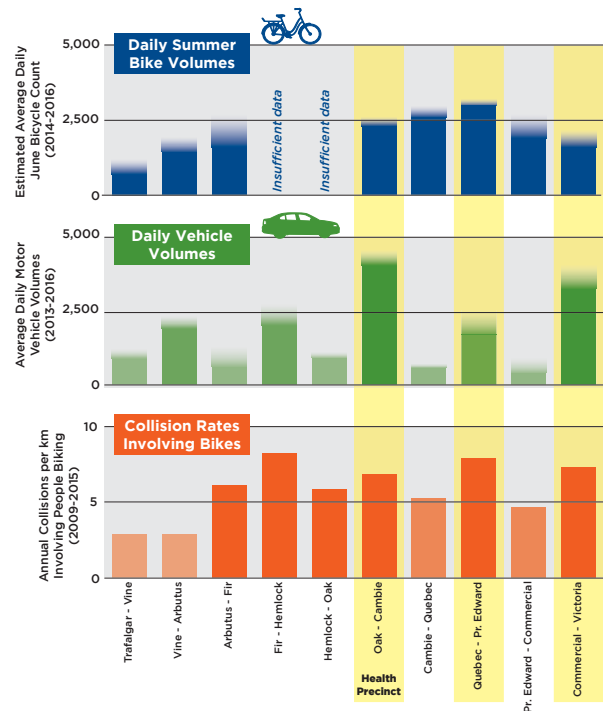


Through a variety of consultation events we asked people who walk, bike, and drive on 10th Ave to share their experiences on the corridor. We received comments about areas that people enjoy and areas that people are concerned about.

The 10th Avenue bike route has a **high number of reported cycling collisions relative to other corridors** and there are some segments with relatively high motor vehicle volumes. For people of all ages and abilities to feel comfortable riding a bike when sharing the street with people driving, motor vehicle volumes need to be below 500 to 1,000 per day (roughly one vehicle every minute at the busiest times). On shared local street bikeways, such as 10th Avenue, this is typically accomplished through traffic calming. Where traffic calming is not an option, such as in the Health Precinct, protected bike lanes may be required.

Building on what we heard, along with a closer look at conditions along the corridor, we have advanced design proposals in **3 key areas** which exhibit high traffic volumes, relatively high collision rates, and have received many public comments:

- 10th Ave Health Precinct: Oak St - Cambie St**
- 10th Ave: Quebec St - Guelph St**
- 10th Ave: Commercial Dr - Victoria Dr**



1 2 3

Bike volumes based on 12-hour demographic and manual intersection counts conducted by the City of Vancouver, expanded to an average 2016 June day based on bike volumes at the 10th Ave and Clark St permanent bike counter (2014-2016).

Vehicle volumes based on 24-hour average mid-week day (Tues, Wed, or Thurs) CoV portable hose counts, from which bikes are filtered out (2013-2016)

Collision data from ICBC (2009-2013 inclusive). The City of Vancouver does not attribute to ICBC any results, information or data derived from the use, interpretation or analysis of the collision data.

10th Ave Corridor - 3 Segments



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Please see the corresponding boards for a more complete description of the design proposed for each of the 3 segments

1 10th Ave Health Precinct: Oak St - Cambie St

Recommended Design

2 10th Ave: Quebec St - Guelph St

Proposed Design

3 10th Ave: Commercial Dr - Victoria Dr

Proposed Design