



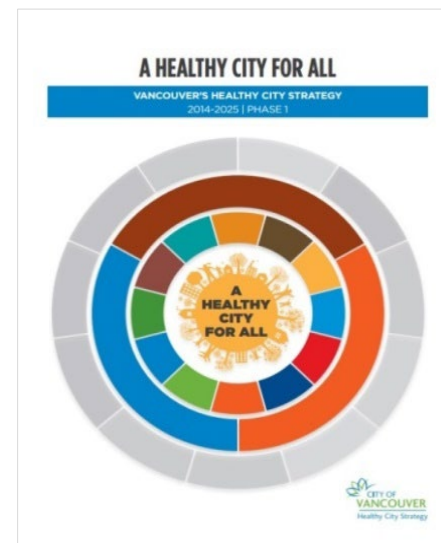
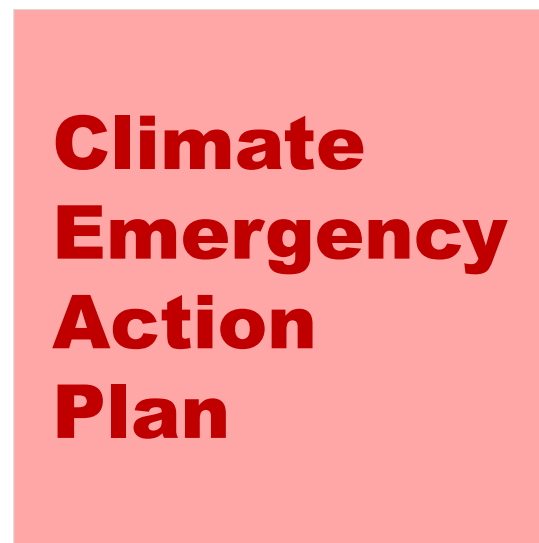
Transportation, Public Space & Street Use Update

July 24, 2024 | Paul Storer & Lisa Parker

Transportation Policy, Targets & Trends

Key policies

**Transportation 2040,
Vancouver Plan,**
and a suite of
city and regional plans
lay the foundation for
transportation and public space
planning in Vancouver



Vibrant Vancouver: Council priorities



- **Vibrant & diverse**
- **Housing**
- **Supporting business**
- **City services & infrastructure**
- **Safety and security**
- **Climate emergency**
- **Healthy, inclusive & equitable**
- **Reconciliation**
- **Good government**

Streets: more than just transportation

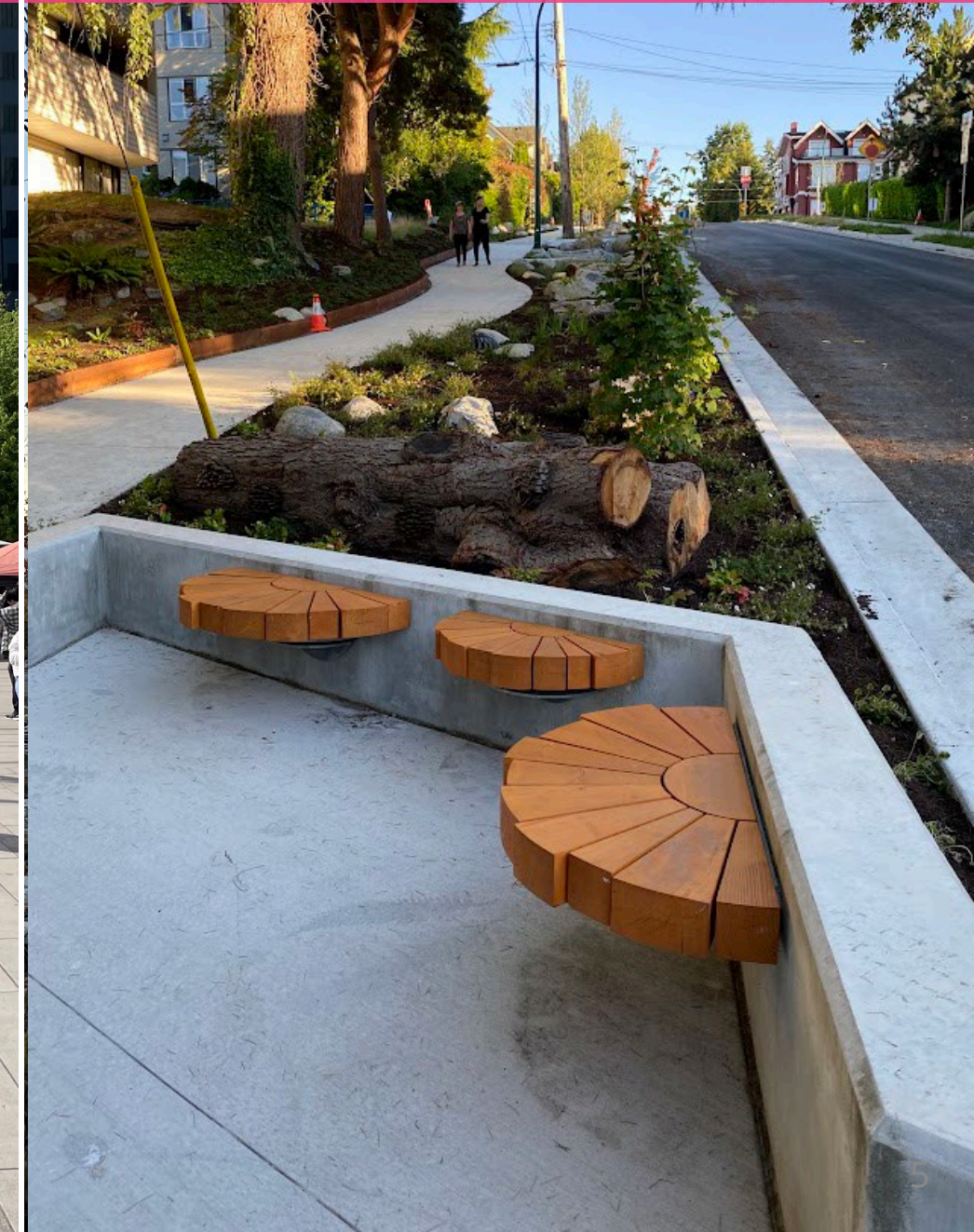
Mobility



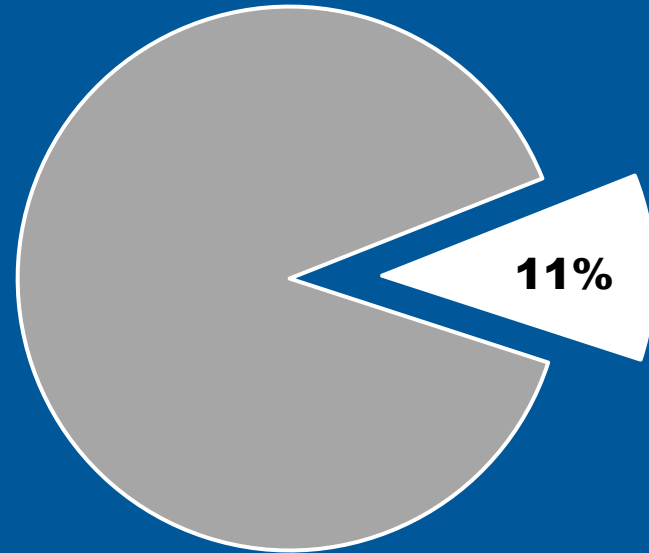
Public Life



Nature & rainwater management



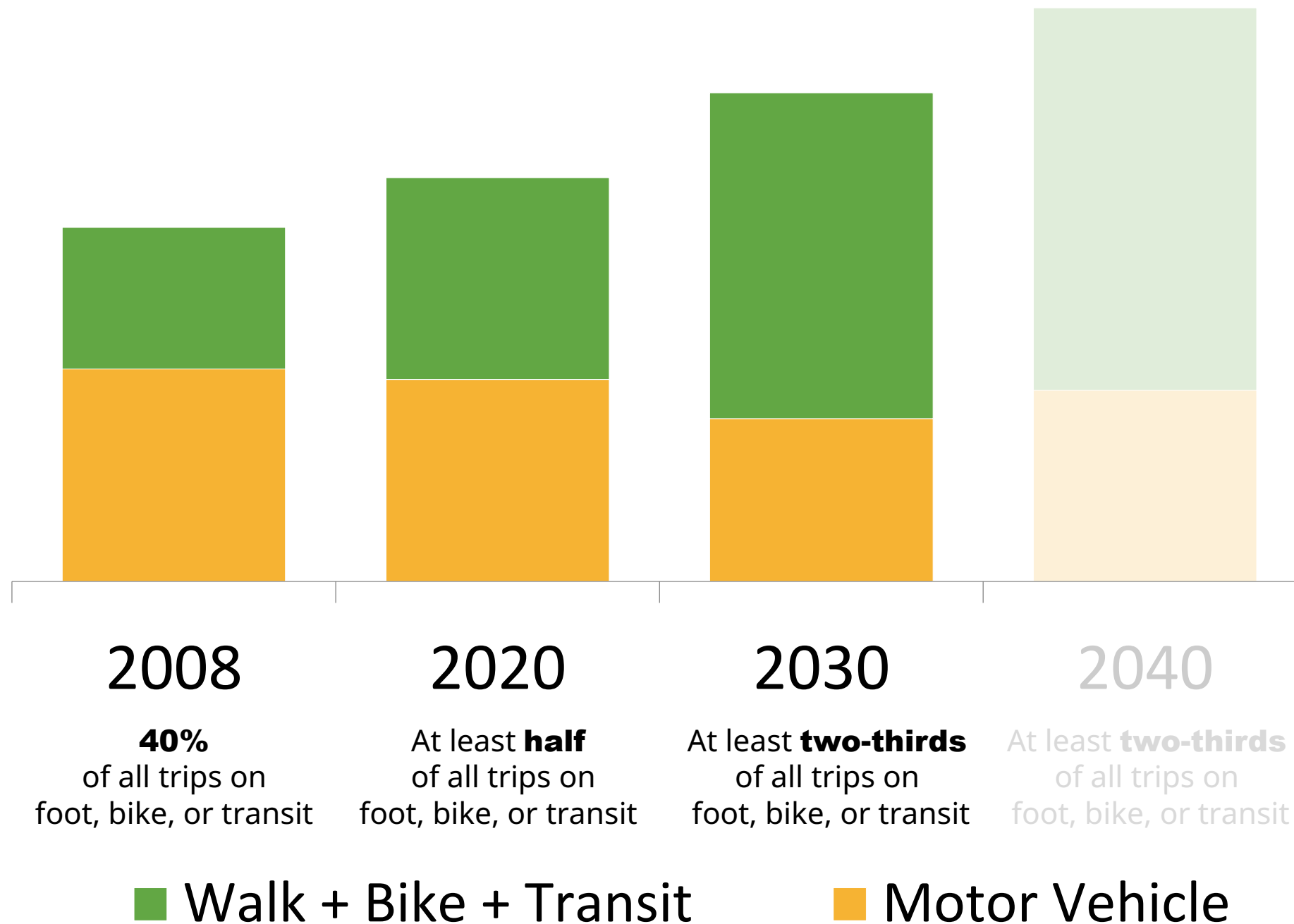
Transforming Road Space



In 2020, we set an
**11% road space
reallocation target**
to support
**active transportation,
transit, public life,
and parks & rainwater
management.**



CEAP mode share target

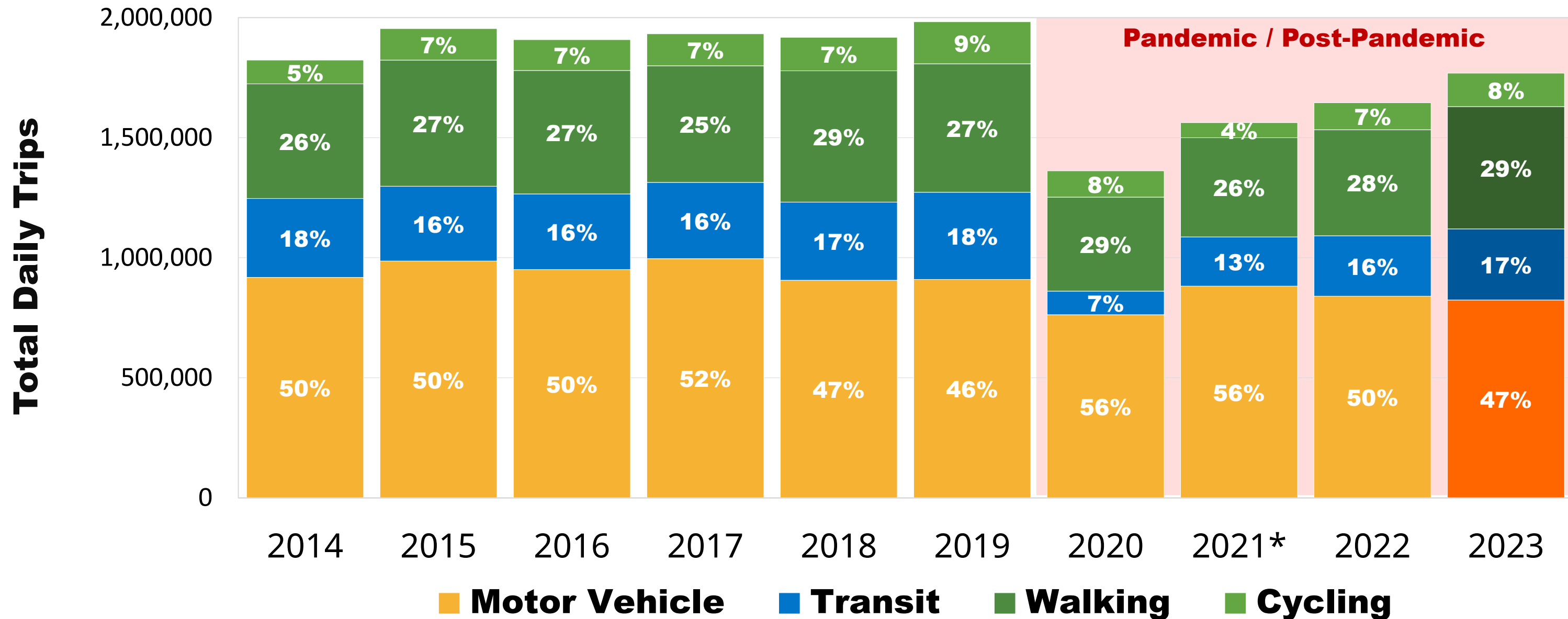


**Increase trips by
sustainable
transportation**

**Climate Emergency
accelerated target
by 10 years**

Sustainable mode share growing

Trip volumes continue to rebound

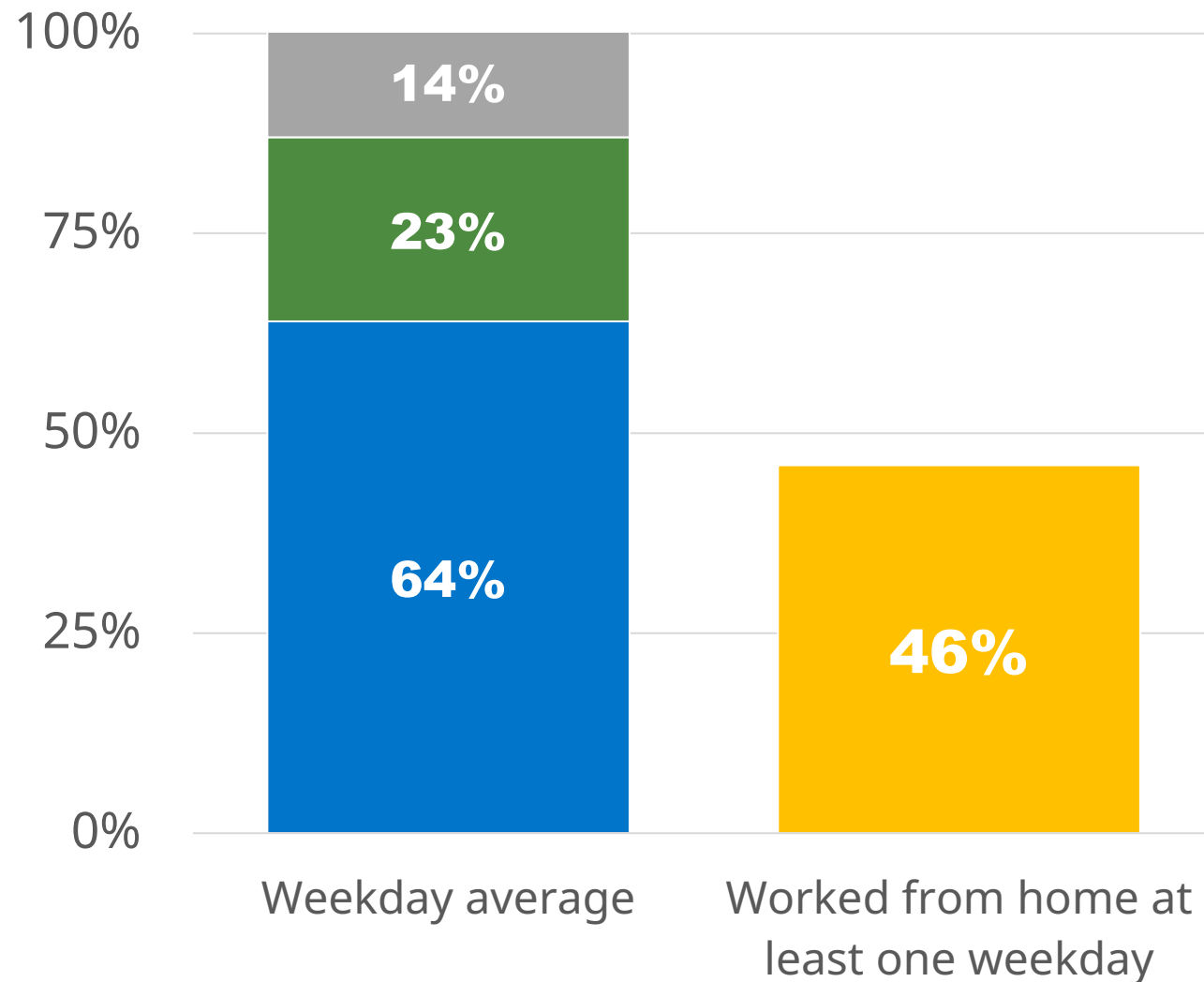


Source: City of Vancouver panel surveys. Note: Significant changes beginning in 2020 due to global pandemic.

*Lower active travel counts in 2021 due to extreme weather conditions / atmospheric river at time of survey.

Many people are working from home

**Where did people
with a 'regular place of work'
actually work?**



- Commuted
- Worked from home
- Didn't work on given day

**Working from home
has become
'the new normal'
for many people.**

Four years after the pandemic,
almost a quarter of workers
with a regular place of work
still work from home.

Other people have been able to
shift their commuting hours.

Focus: Safety & Accessibility

Vision Zero – Safety Overview

Vision Zero Goal: eliminate traffic-related fatalities and serious injuries



Safety

is embedded throughout the City's transportation programs

Engineering

Enforcement

Education

AREAS OF FOCUS include

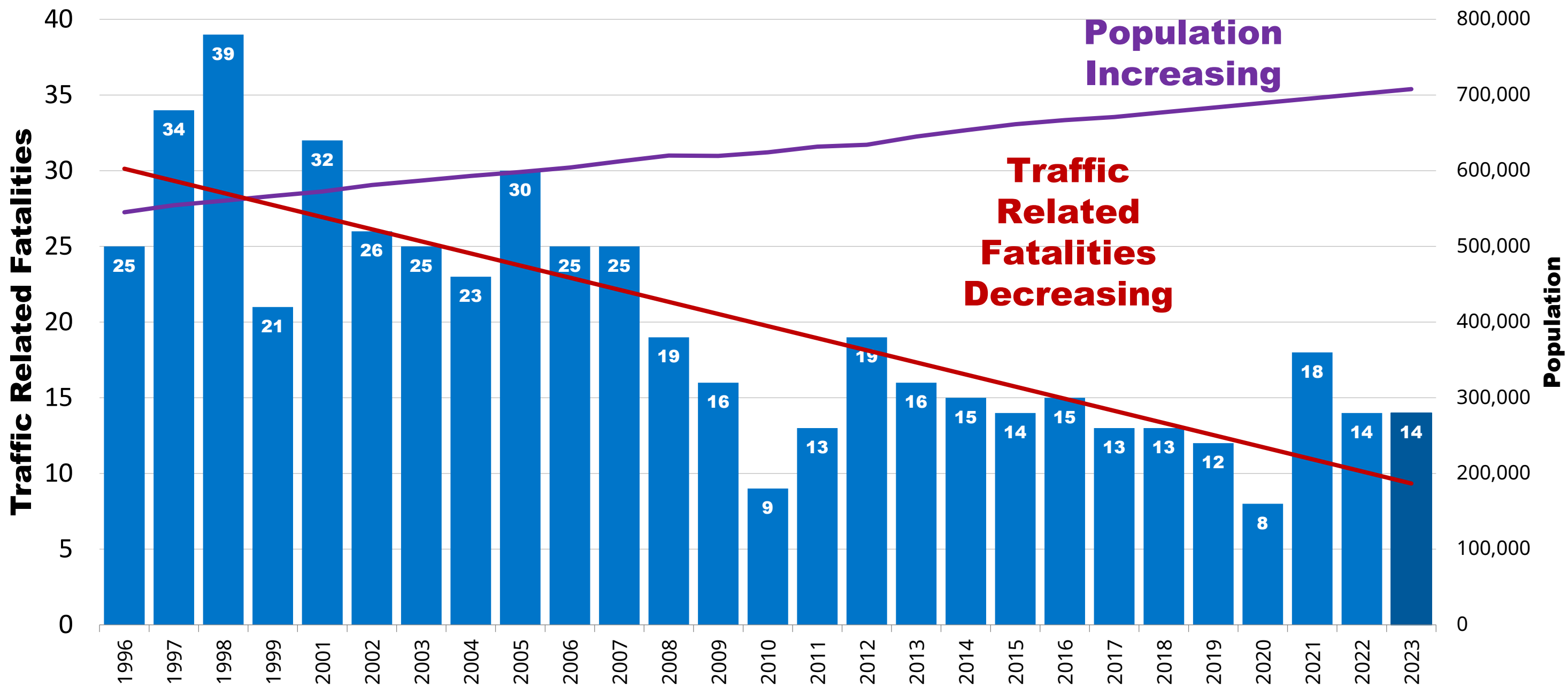
- Prioritizing vulnerable road users
- Reducing speeds and addressing safety hotspots
- Advancing a safe active travel network

PROGRAMS include

- School Active Travel Program | School Slow Zones
- Neighbourhood Traffic Management Program
- Corridor and spot improvement programs

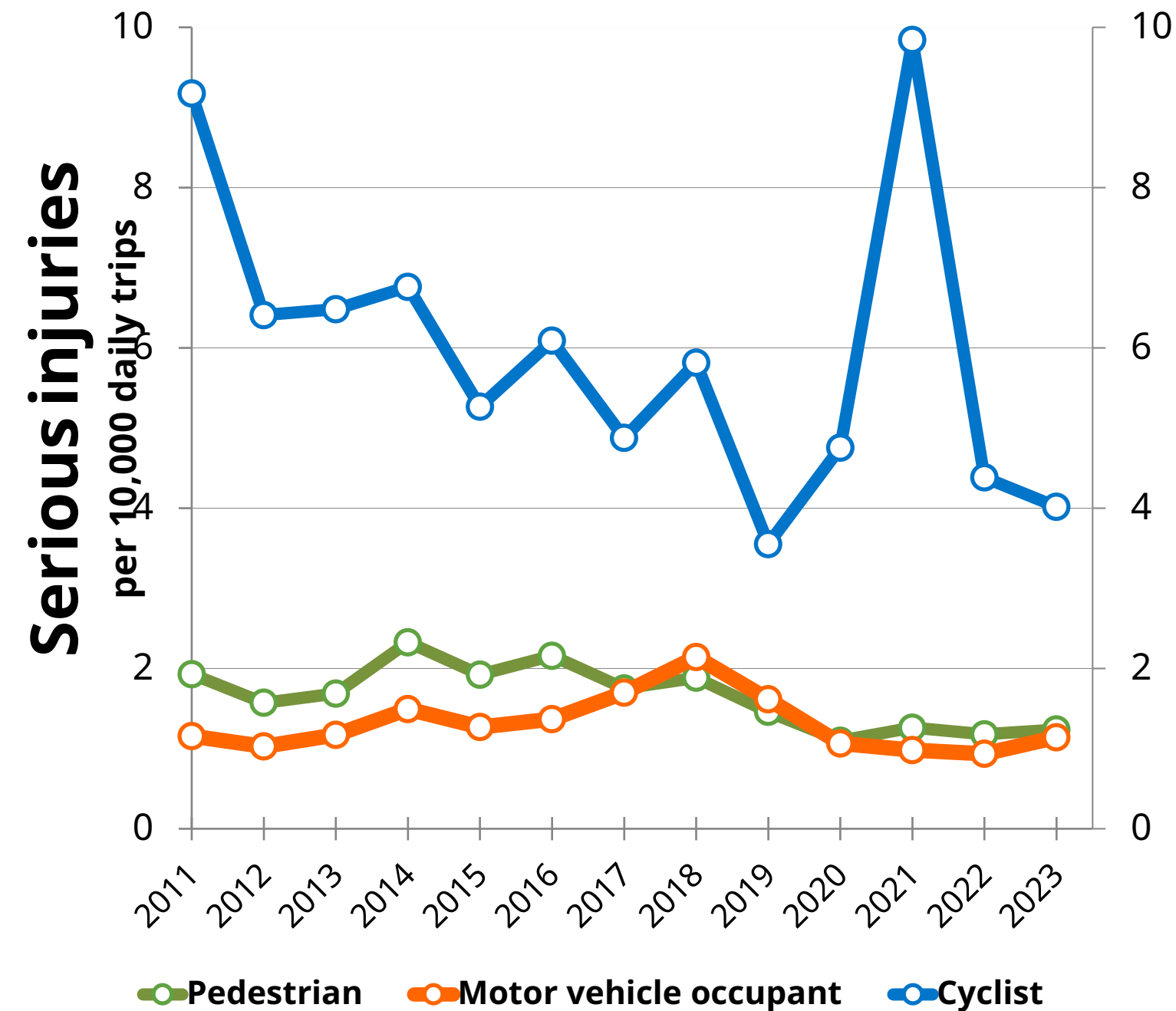


Traffic-related fatalities



Source: VPD traffic fatality data

Traffic-related serious injuries



**Serious injuries have fallen
over the past 12 years**
(adjusted for # of trips being taken)

	Serious injuries per 10,000 daily trips		
	2011	2023	change
Walking	1.9	1.2	-36%
Cycling	9.2	4.0	-56%
Motor vehicle	1.5	1.4	-1.3%

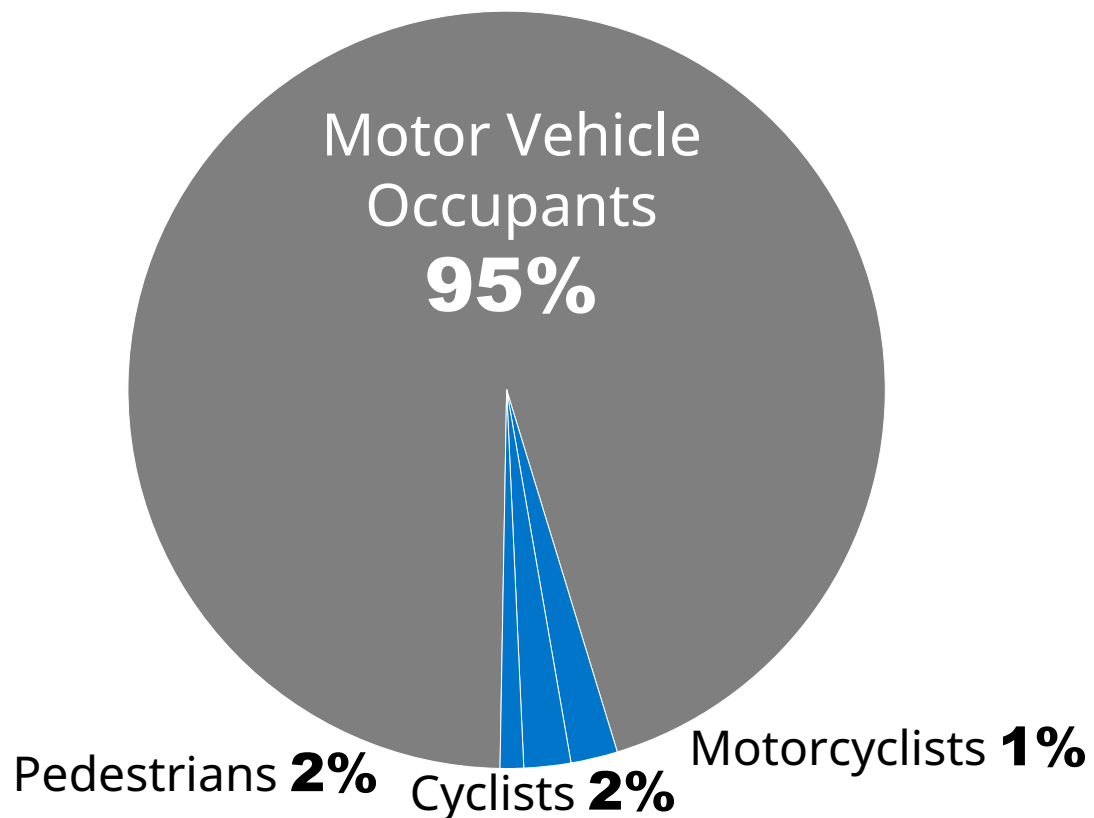
People walking and cycling are more vulnerable

People walking & cycling:

4% of collisions | **52% of serious injuries** | **62% of fatalities**

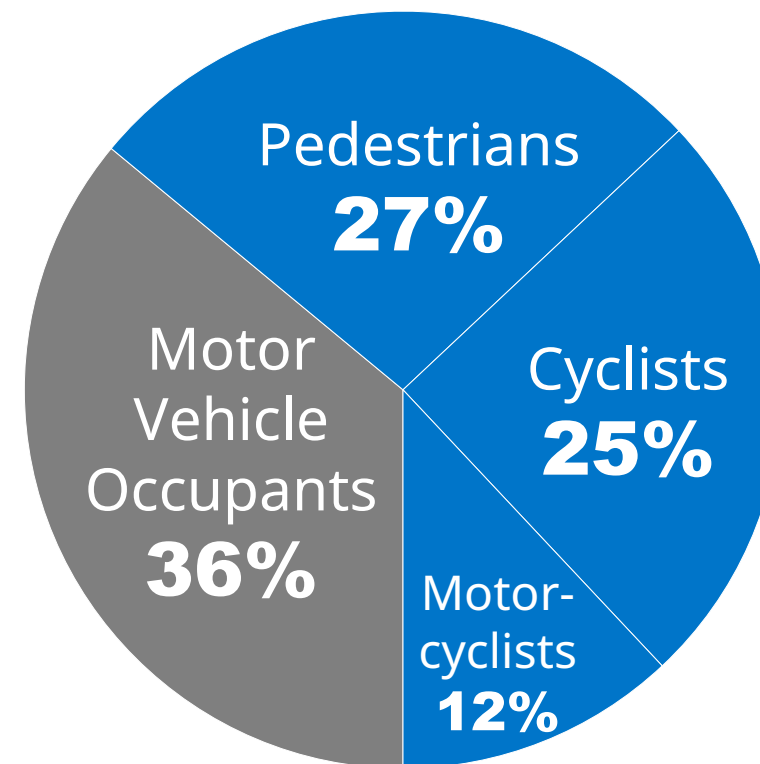
Collisions

45,000 per year



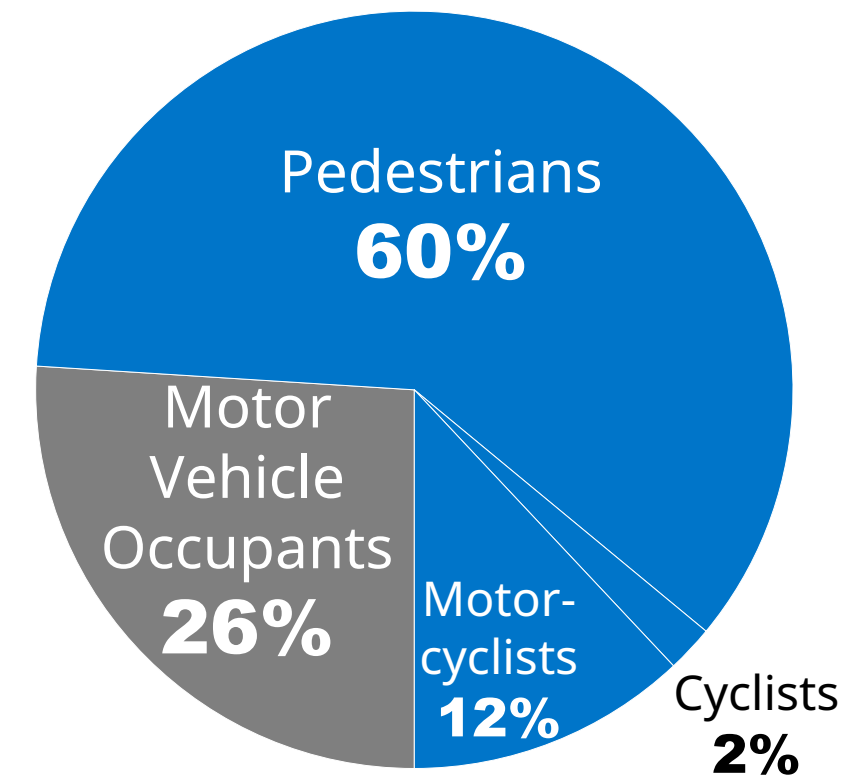
Serious Injuries

240 per year



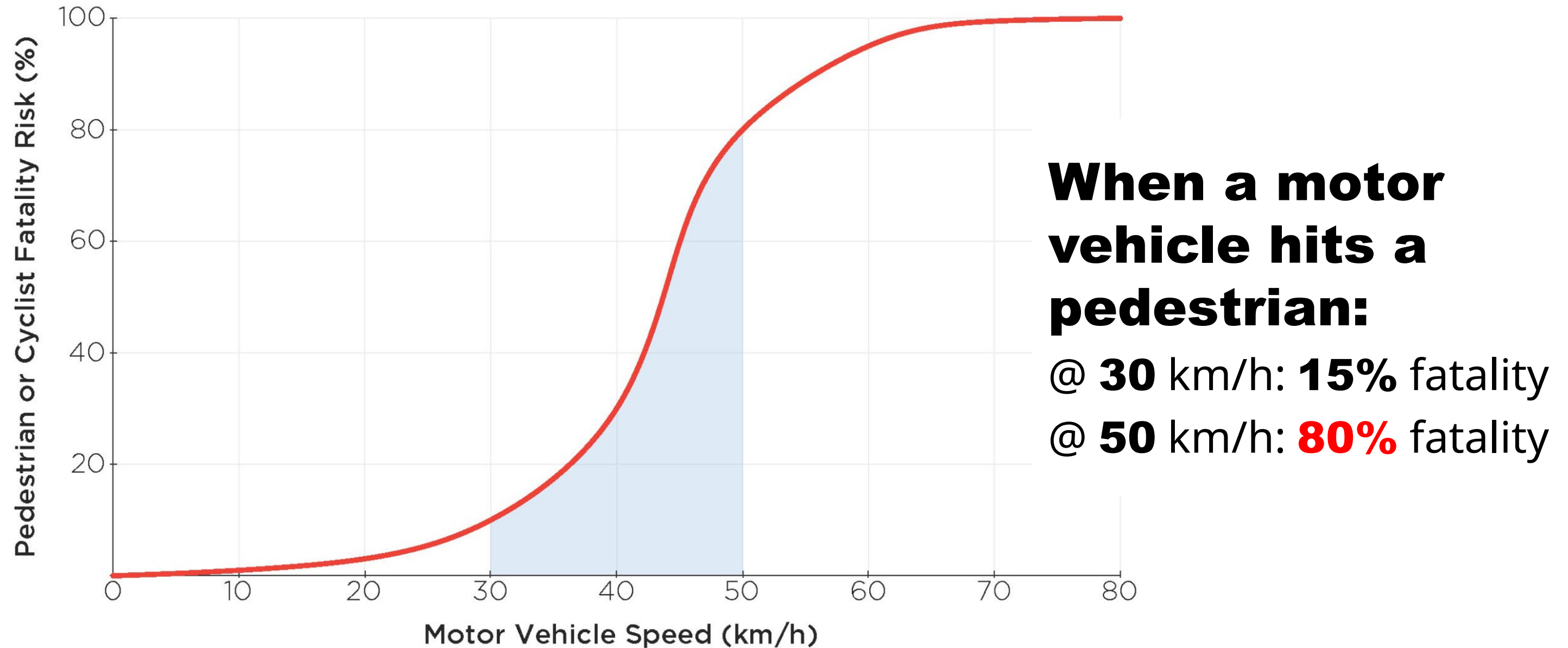
Fatalities

14 per year



Slower speeds

Higher Speeds = Higher probability of fatality



School slow zones

Successful 2023 pilot is being expanded citywide

Reduced speed limits during school hours

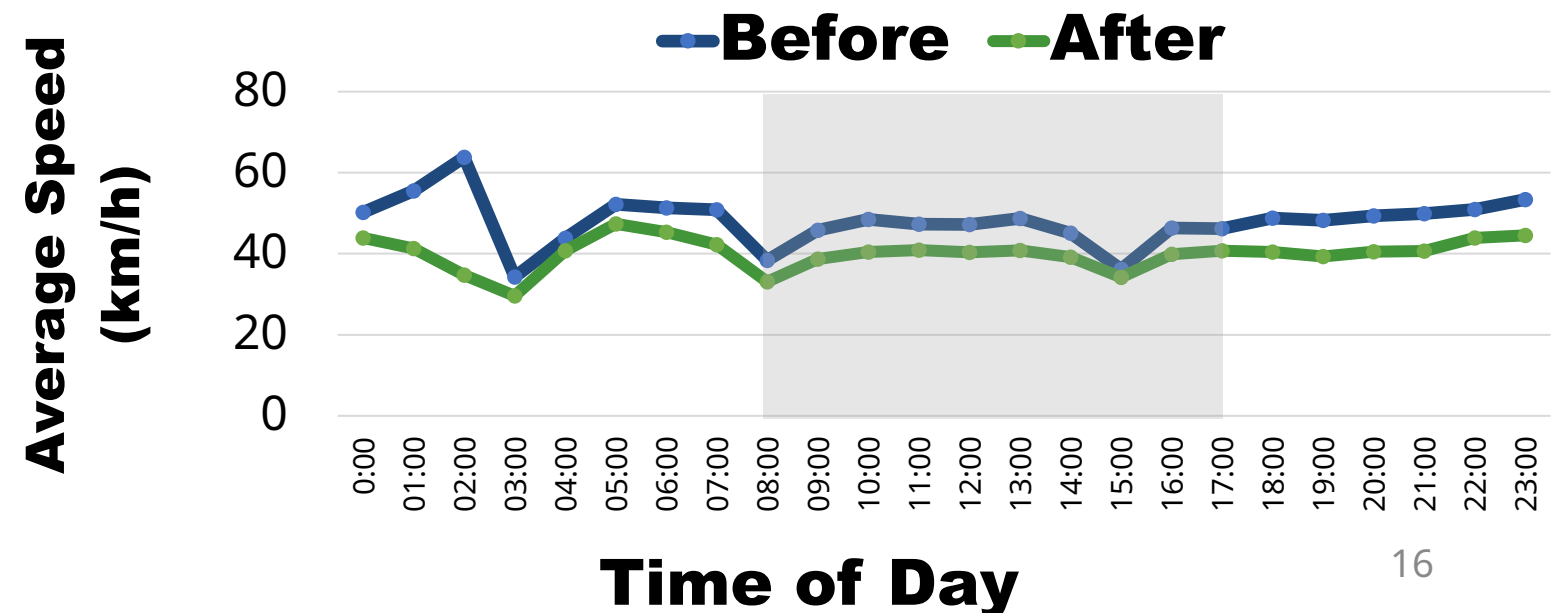
- 40 km/h non MRN arterials
- 30 km/h on collectors

2024 program expansion: 15 schools along 10 corridors

+ 10 more corridors per year
in 2025 and 2026

2023 pilot results (9 schools)

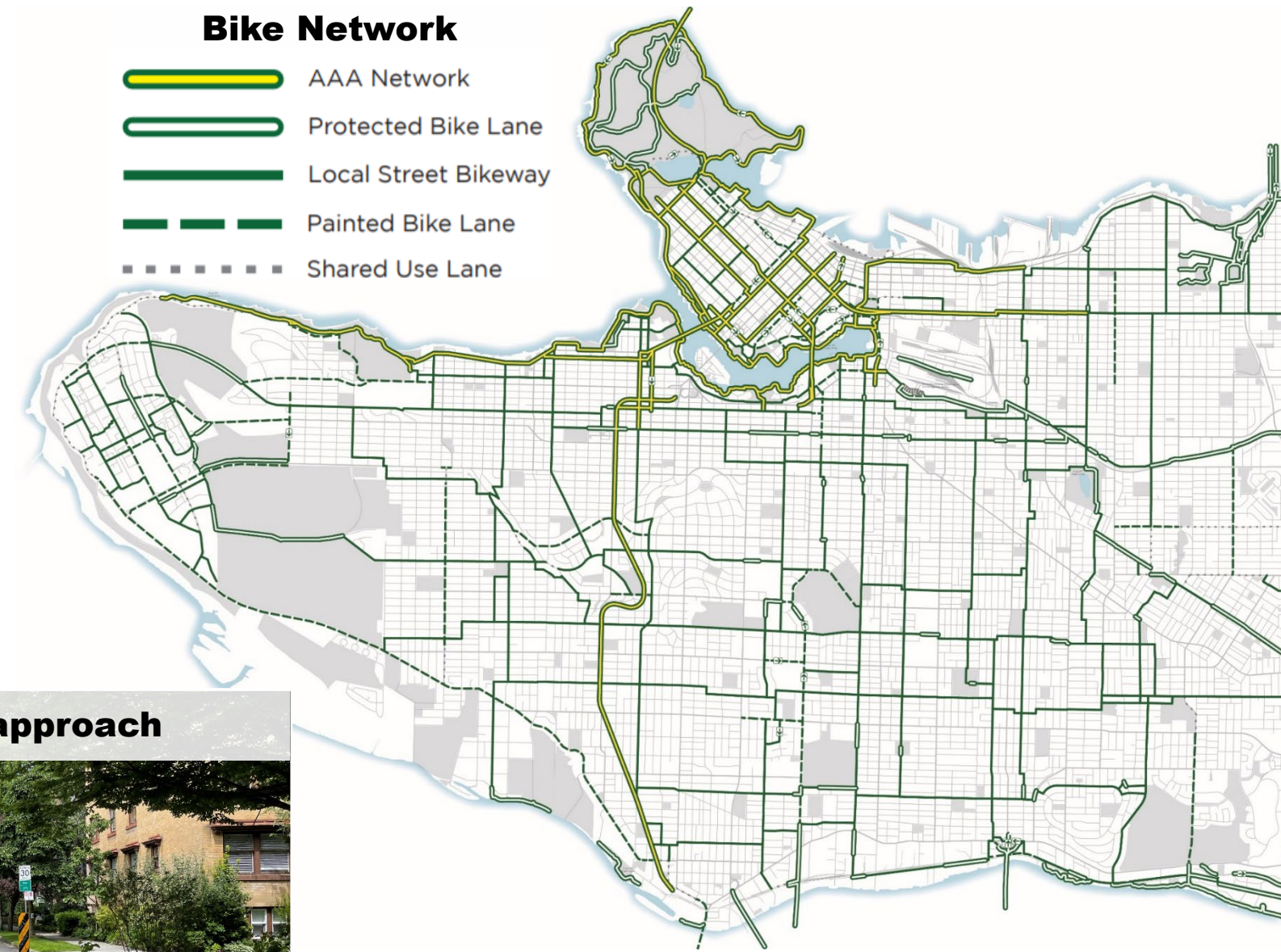
- Speeds reduced by 4 to 15%
- Strong support from parents
 - 92% support changes
 - 70% felt students were safer
 - 50% felt more likely to walk or bike



Active transportation network

Building a network that is safe and comfortable for people of all ages, abilities and backgrounds

- **1,500+ km of city streets***
(over 2,800 lane km)
- **2,200+ km of city sidewalks**
(~80% complete)
- **300+ km of bike network**
(~30% all ages and abilities)



Designing for all ages and abilities: no one-size-fits all approach



Physical protection on busy streets

Traffic calming on quiet shared streets

* Including 220 km of arterial streets (1024 lane km), 140 km of collector streets (666 lane km), and 1190 km of local streets.

Not including 770 km of laneways or 150 km of Parks/non-City streets.

Neighbourhood Traffic Management

**Quick-build traffic calming
to address safety issues
like speeding and high vehicle volumes
on local streets**



Active Projects

Strathcona

- 1 Status:
monitoring & evaluation

Hastings Sunrise (Adanac Overpass)

- 2 Status: detailed
design & implementation

Hastings Sunrise (Clinton Park)

- 3 Status: detailed design

Killarney North East

- 4 Status:
engagement planning

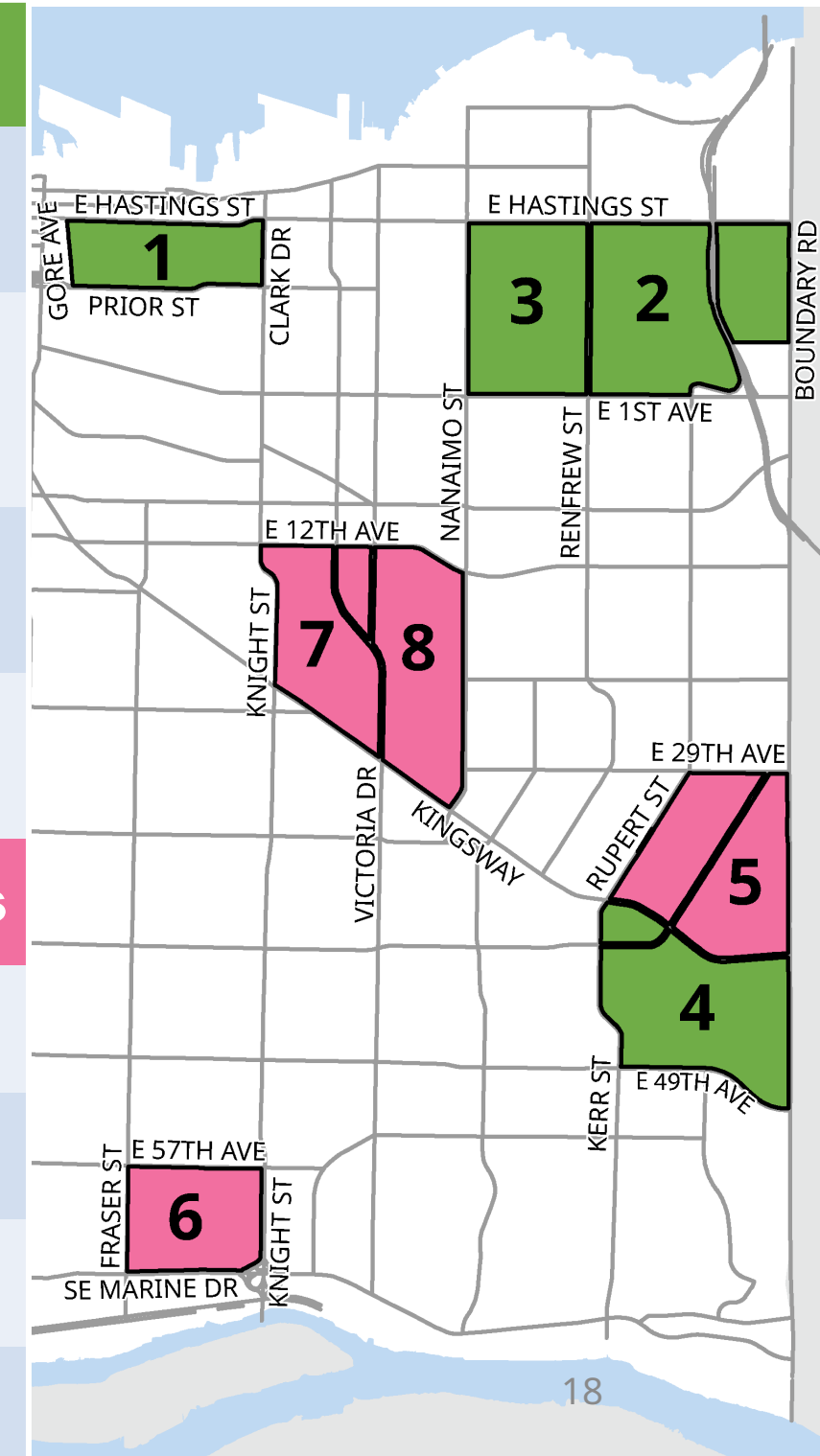
Upcoming Projects

- 5 Joyce

- 6 Knight Street Bridge

- 7 Kensington-Cedar Cottage
North East

- 8 Trout Lake

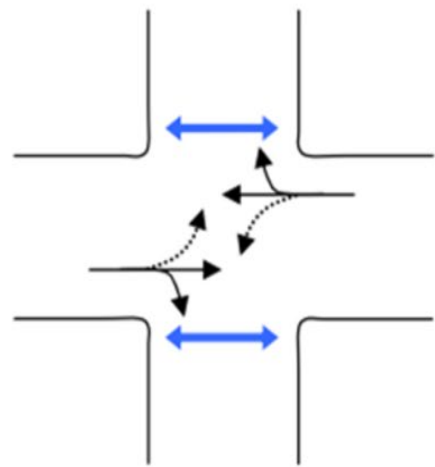


Robson-Granville scramble crossing pilot

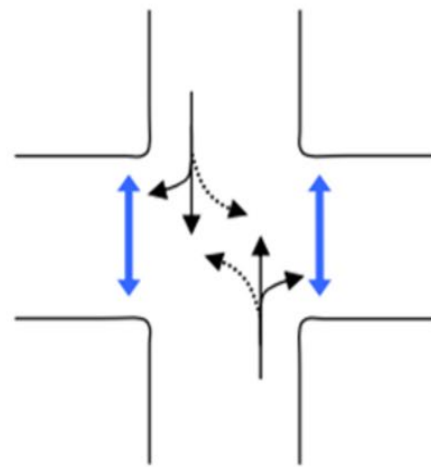
Operational this summer | Will become permanent if successful

Intersection treatment
to prioritize pedestrians
and reduce conflicts with vehicles

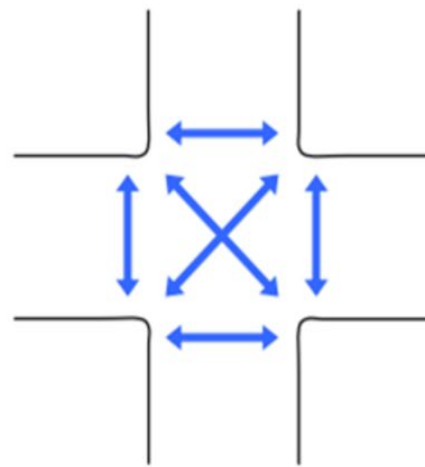
- Allow pedestrians to cross during concurrent green phase
- Vehicle turn movements already restricted except buses (westbound right-turn)
- No right turn on red



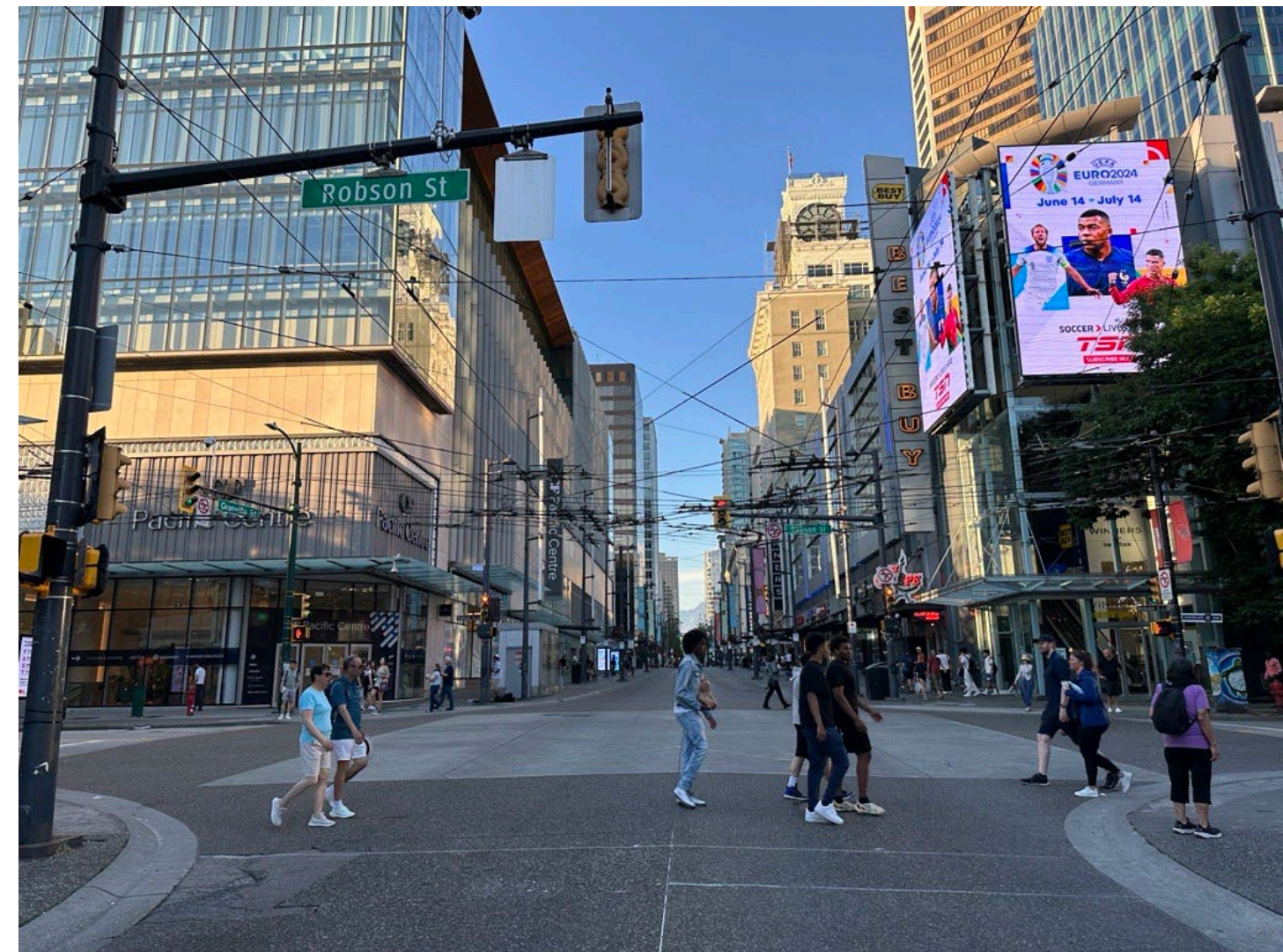
Phase 1 (E/W vehicle)



Phase 2 (N/S vehicle)



Phase 3 (Ped Scramble)



Investigating safety hotspots

We work with partners

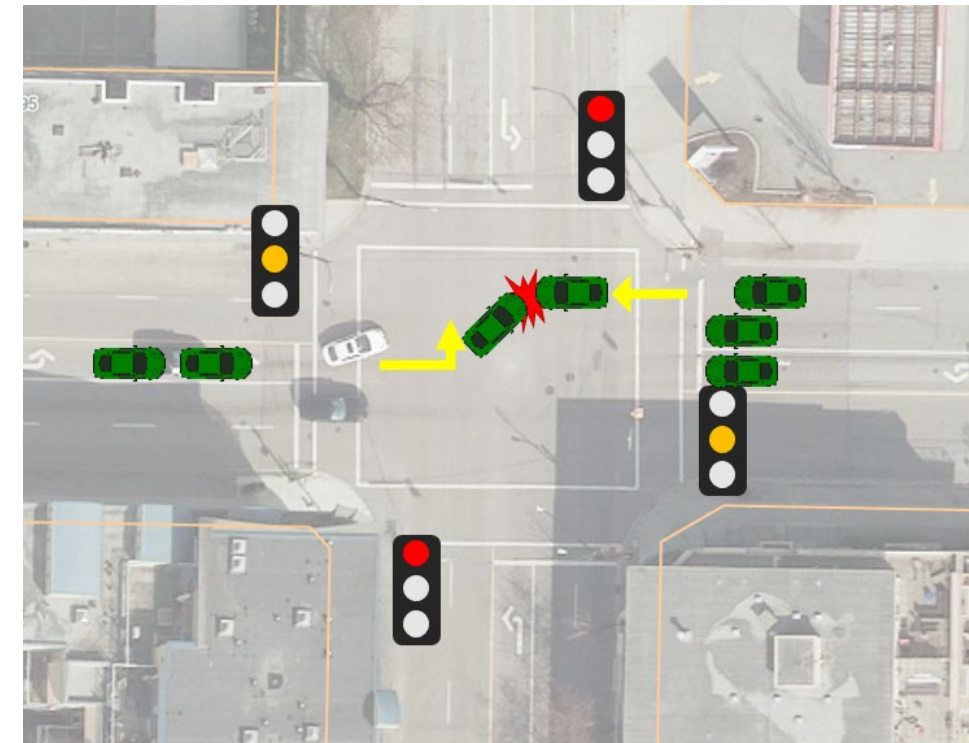
including Vancouver Police,
Vancouver Coastal Health & ICBC
to better understand collisions

- **When**
- **Where**
- **Who**
- **How**
- **Why**

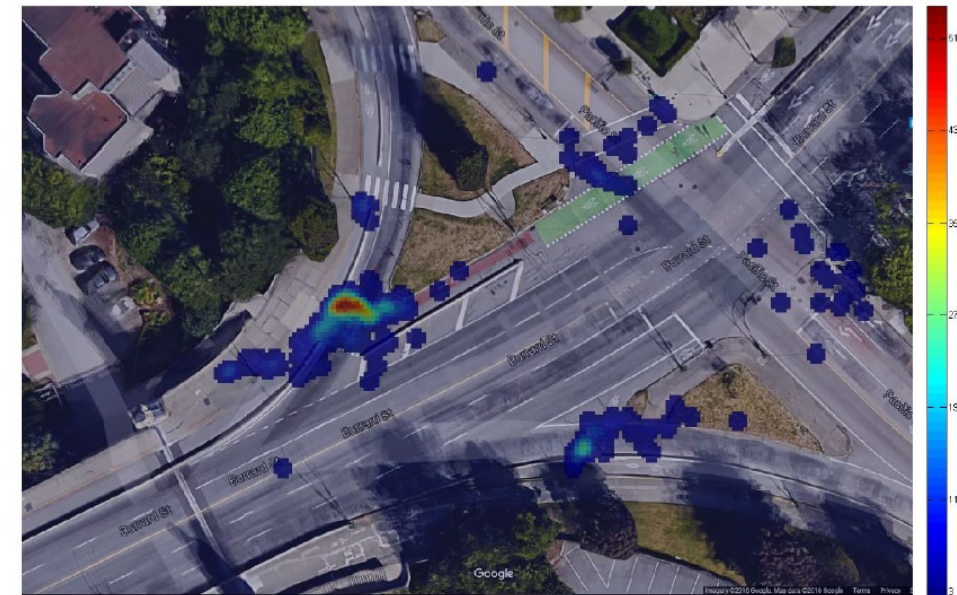
We conduct detailed studies

to determine best
safety interventions:

- **Site observations**
- **Collision diagrams**
- **Automated video conflict analysis**



Sample collision diagram



Sample video conflict analysis
(Pacific/Burrard)

Other safety improvements

Delivering safe, accessible infrastructure

New Infrastructure or Intervention	2021	2022	2023
Signals (full or pedestrian/cyclist activated)	5	2	3
Flashing beacons (RRFBs)	9	10	8
Increased crossing time	29	31	22
Signal accessibility upgrades (e.g. audible)	14	13	14
Leading pedestrian intervals (LPIs)	12	16	14



We are updating our safety strategy
to help prioritize locations, expand programs, and improve our toolkit.

We will be reporting back this fall on safety-related issues
including reduced speed limits, LPIs, road marking maintenance, and more.

Motor Vehicle Act updates

Changes by the Province to support safety and accessibility

New Provincial legislation will
improve safety,
support new technology,
and
prioritize people with
disabilities



- **Safe passing**
to better protect vulnerable road users
- **E-bikes**
to allow younger people to use low-power pedal assist devices
- **Mobility devices**
to prioritize people with disabilities
- **Autonomous vehicles**
to prohibit full autonomy unless authorized by Province

Focus: Transit

Transit: 2023 Ridership Snapshot

Vancouver is a transit leader in North America

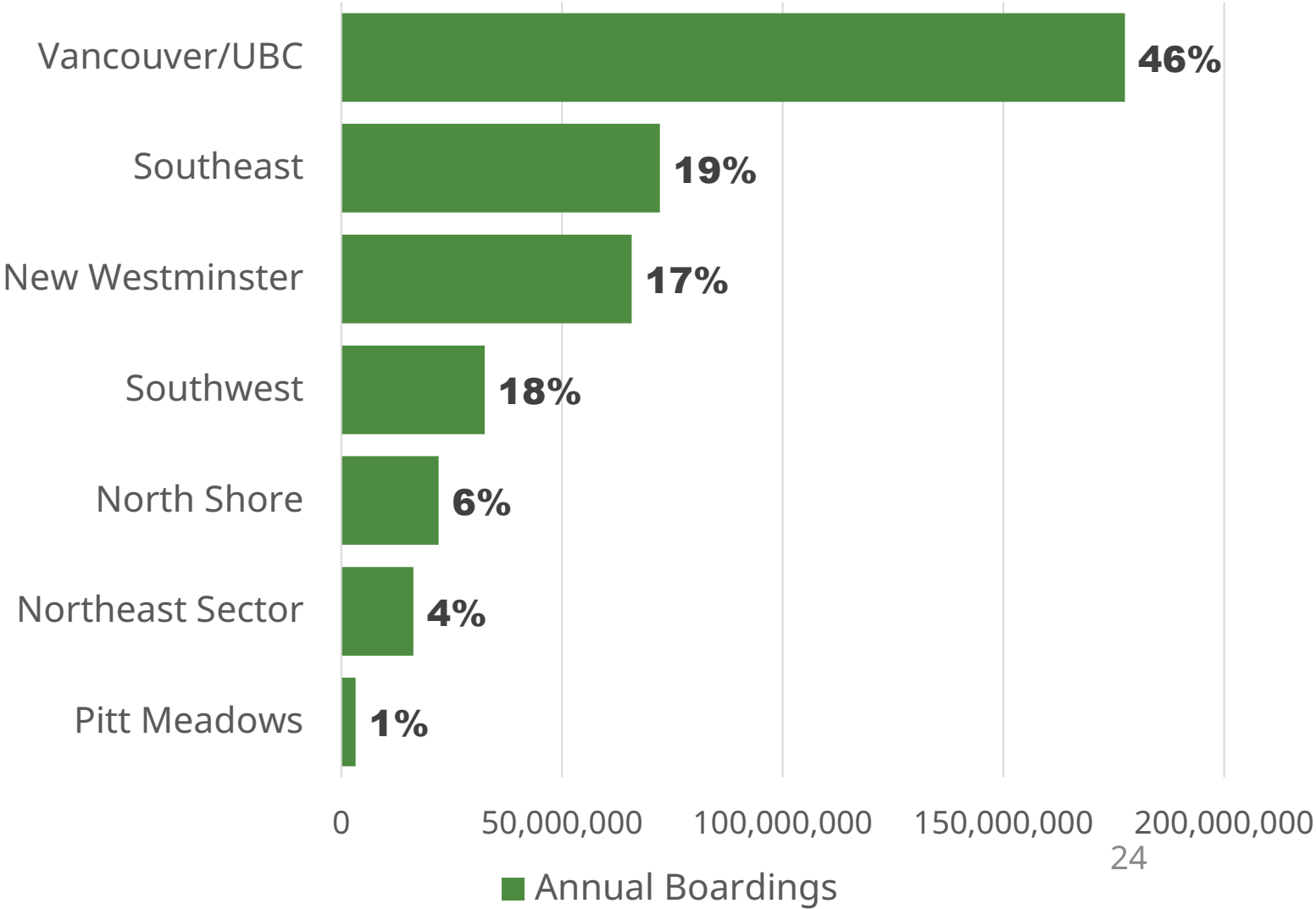
- 4th highest rapid rail ridership
- 3rd highest bus ridership
- 22nd most populous region

(across USA and Canada)

Regional ridership increased 20%
from 2022 levels

89% post-COVID recovery rate
(among highest in North America)

Vancouver & UBC account for **almost half** of the region's transit boardings



Addressing overcrowding



Bus overcrowding
has surpassed pre-pandemic levels

- More than 10% of bus trips were overcrowded in 2023

**New service is being added
this fall to address overcrowding**

- Over 30,000 annual service hours allocated to routes in Vancouver/UBC
- Substantial increases to 99, 49, and R4

Bus priority

Bus delay due to congestion
can be reduced.



Adding a peak period bus lane
saved 12% travel time (5 min per round trip)
on Granville St



Transit priority toolkit

- Bus lanes
- Turn pockets & queue-jumpers
- Signal priority & turn restrictions
- Bus bulbs and bus stop balancing

Speeding up buses on key corridors

Three-year priorities include: Hastings, Granville, Kingsway, 49th Ave, Marine Drive

**Targeting
10% travel time savings
on 5 high-delay corridors**

TransLink expects to save
\$2M in operating costs each year,
to reinvest in more transit service



New and extended bus lane hours

Rapid delivery in 3 years



Bus lane kilometres

Total length of bus lanes (km)

66 km
in 2024

+ 28 km
by 2027

Bus lane kilometre-hours

Total length of bus lanes (km) x duration (hours / weekday)

525 km
in 2024

+ up to 480 km
by 2027

Other bus improvements

Longer buses to increase transit capacity

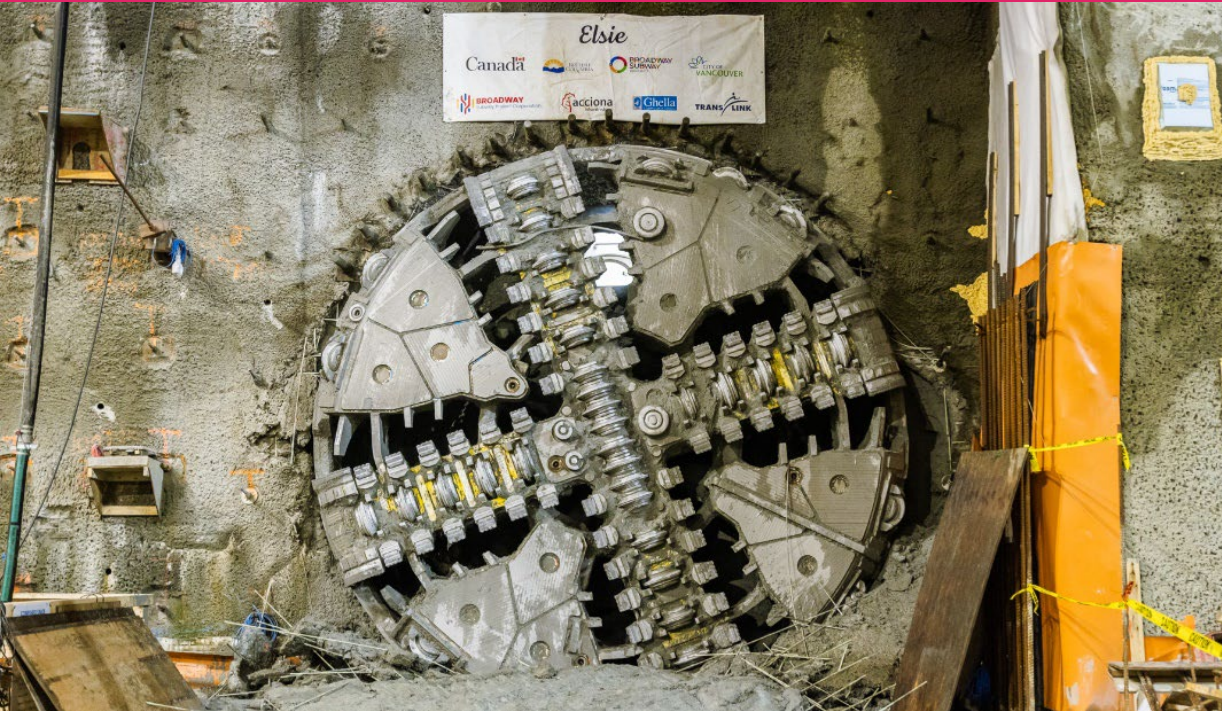
- Articulated buses on routes 2 & 25 since early 2024
- Standard buses on route 23 in early 2025



Over 150 bus stops extended for accessibility

Broadway Subway Update

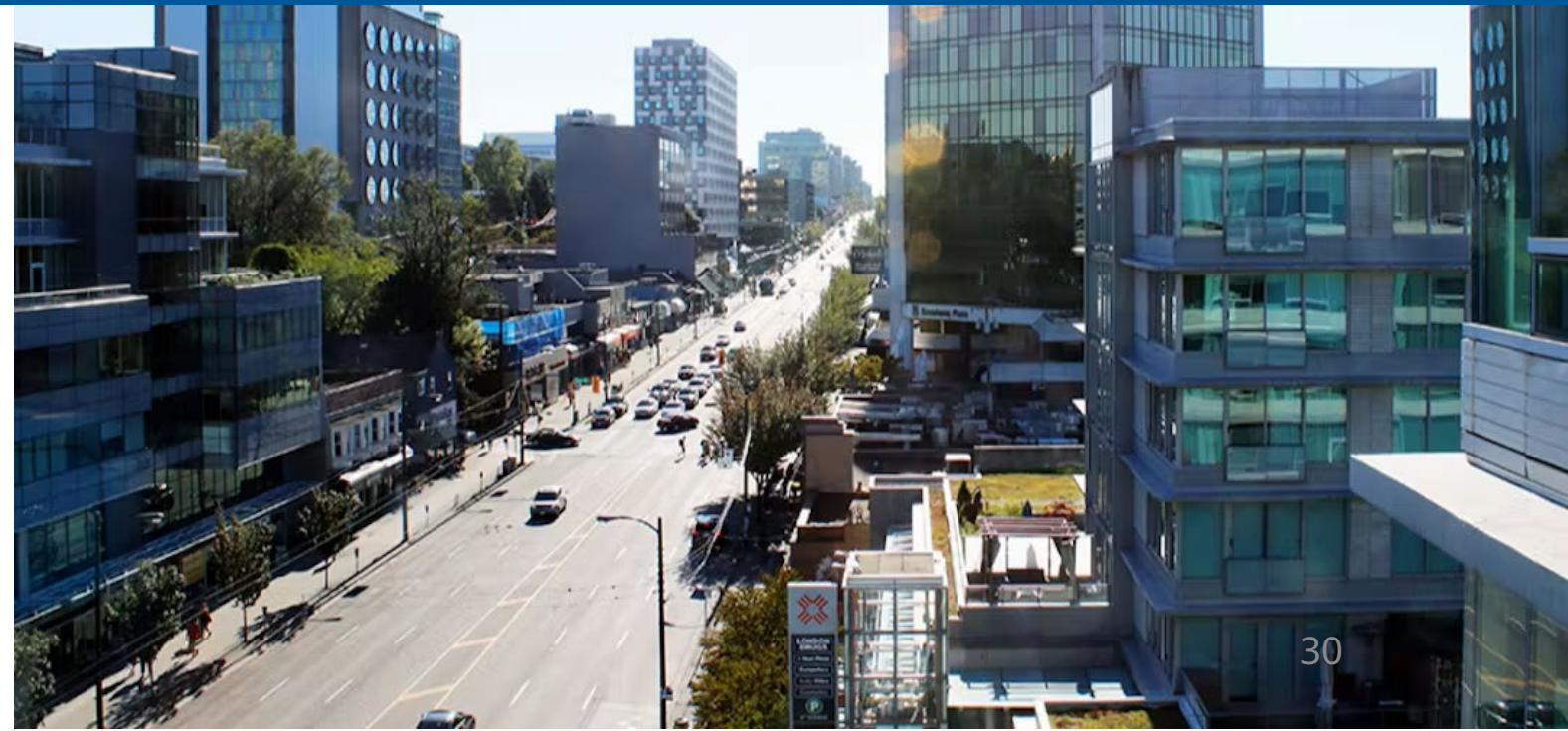
Opening in Fall 2027



Construction updates

- Tunnel boring complete – April 2024
- Traffic decking at station areas completed
- Elevated guideway begun rail installation

We are continuing to support
the province on a potential
UBC Extension



Burrard Peninsula Area Transport Plan

Public engagement in early 2025



TransLink-led
multi-modal plan
for the
Burrard Peninsula

- 15 year time horizon
- Anticipated completion Fall 2025
- Will consider network changes and new routes

Access for Everyone 10-year regional priorities

The City continues to work closely
with TransLink and other partners

Significant new funding is required to deliver on our regional priorities

- \$24B required over next decade
- New revenue sources needed
- Regional mayors have asked for support from Province and Federal government



Transport 2050: 10-Year Priorities for TransLink

Approved on June 30, 2022

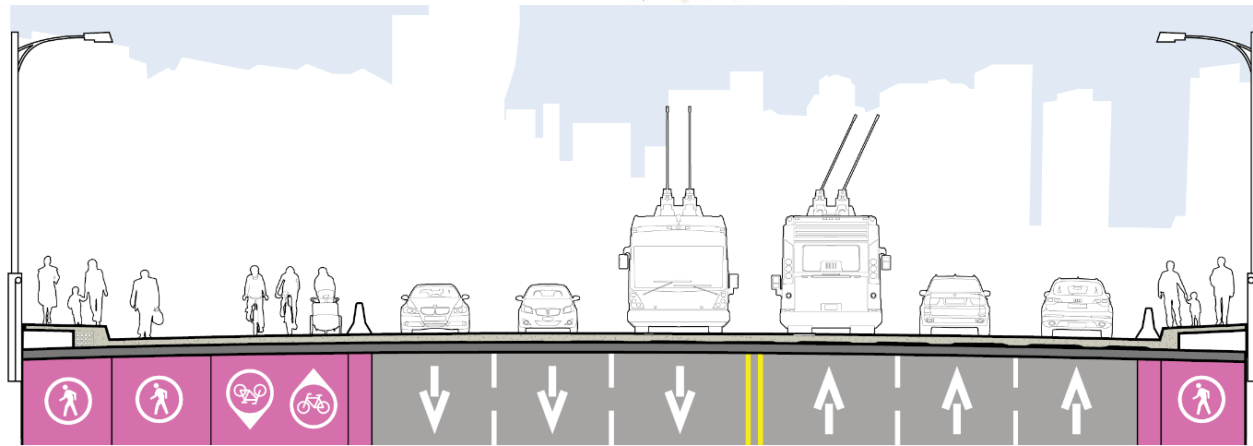


Project Highlights

Granville Connector

Under construction | Complete by Q4 2024

A safe, comfortable walking & cycling connection for all ages and abilities



LEGEND

Transportation Improvements

- New Pedestrian and Cycling Path
- Crossing Improvement
- New Traffic Signal

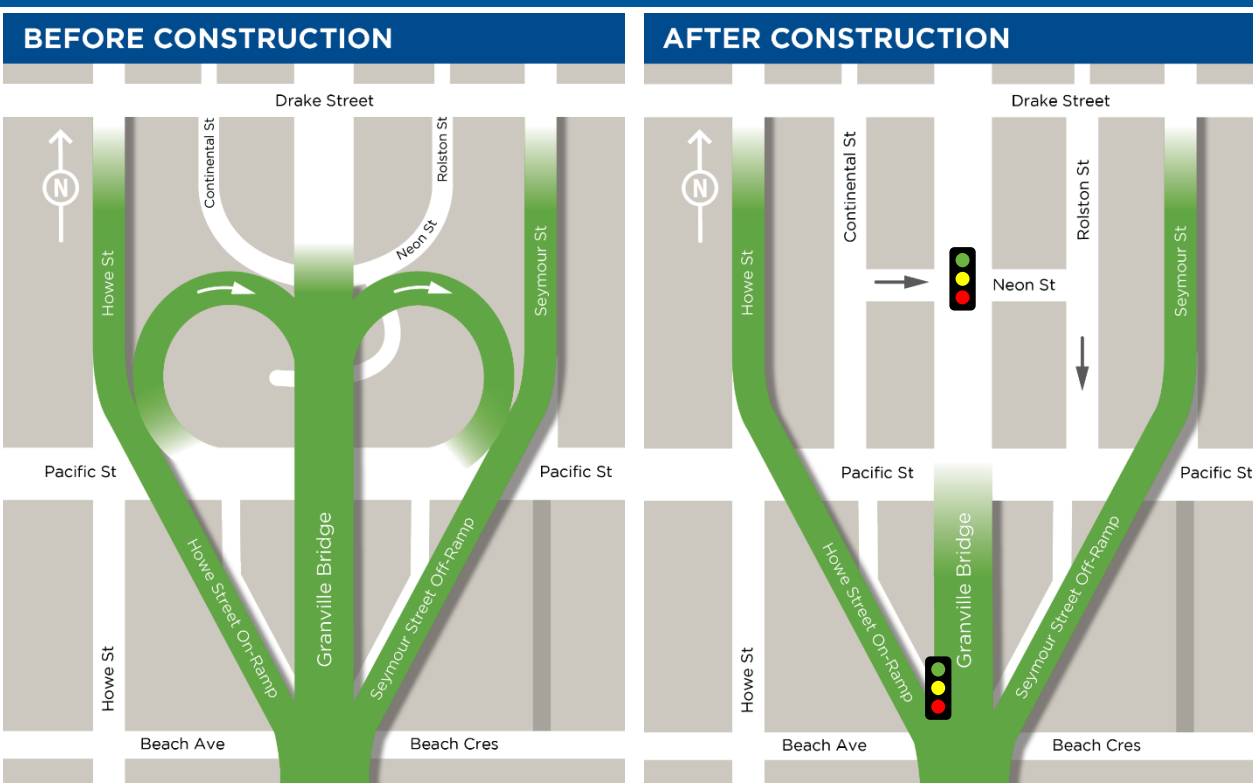
Surrounding Bike Network

- Existing Bikeway
- Planned Bikeway

Granville Loops replacement

Under construction | Complete by Q4 2024

Highway-style loops replaced with safe, vibrant urban street grid



- Comfortable walking & biking
- Unlocks development opportunities

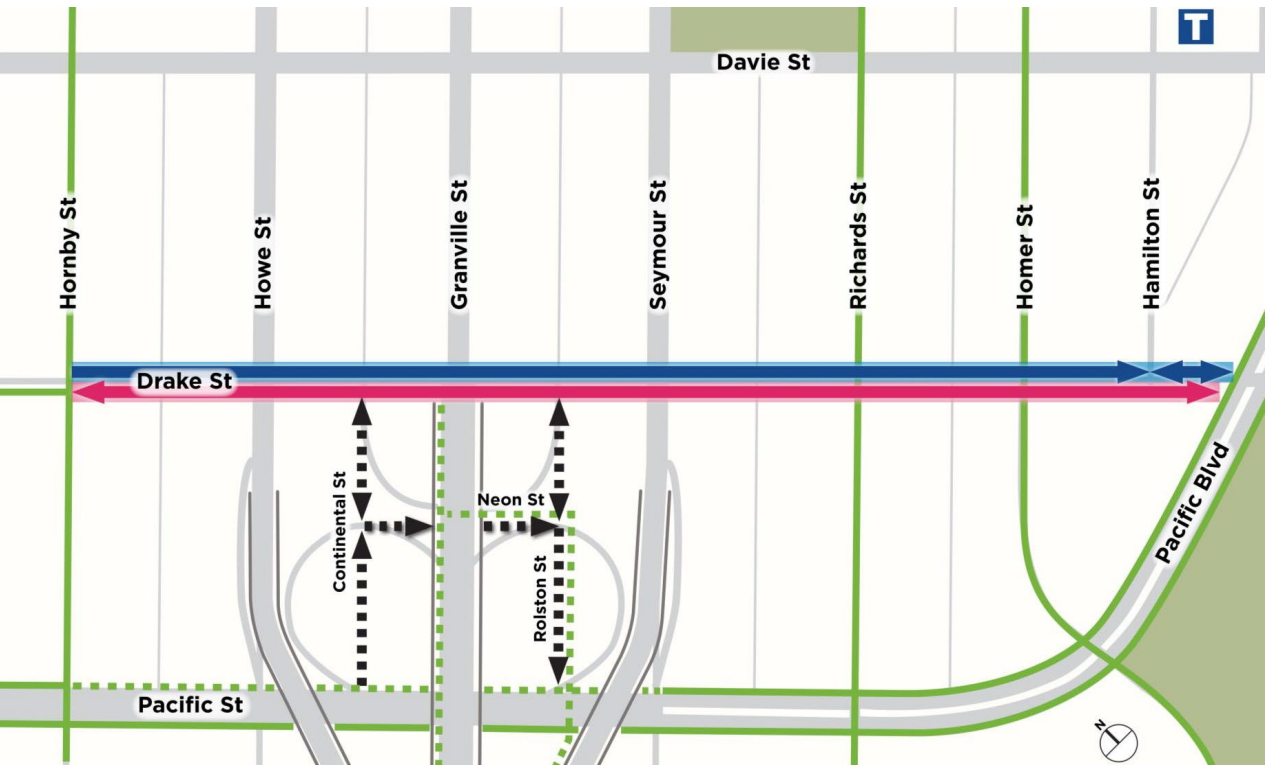


Drake Complete Street

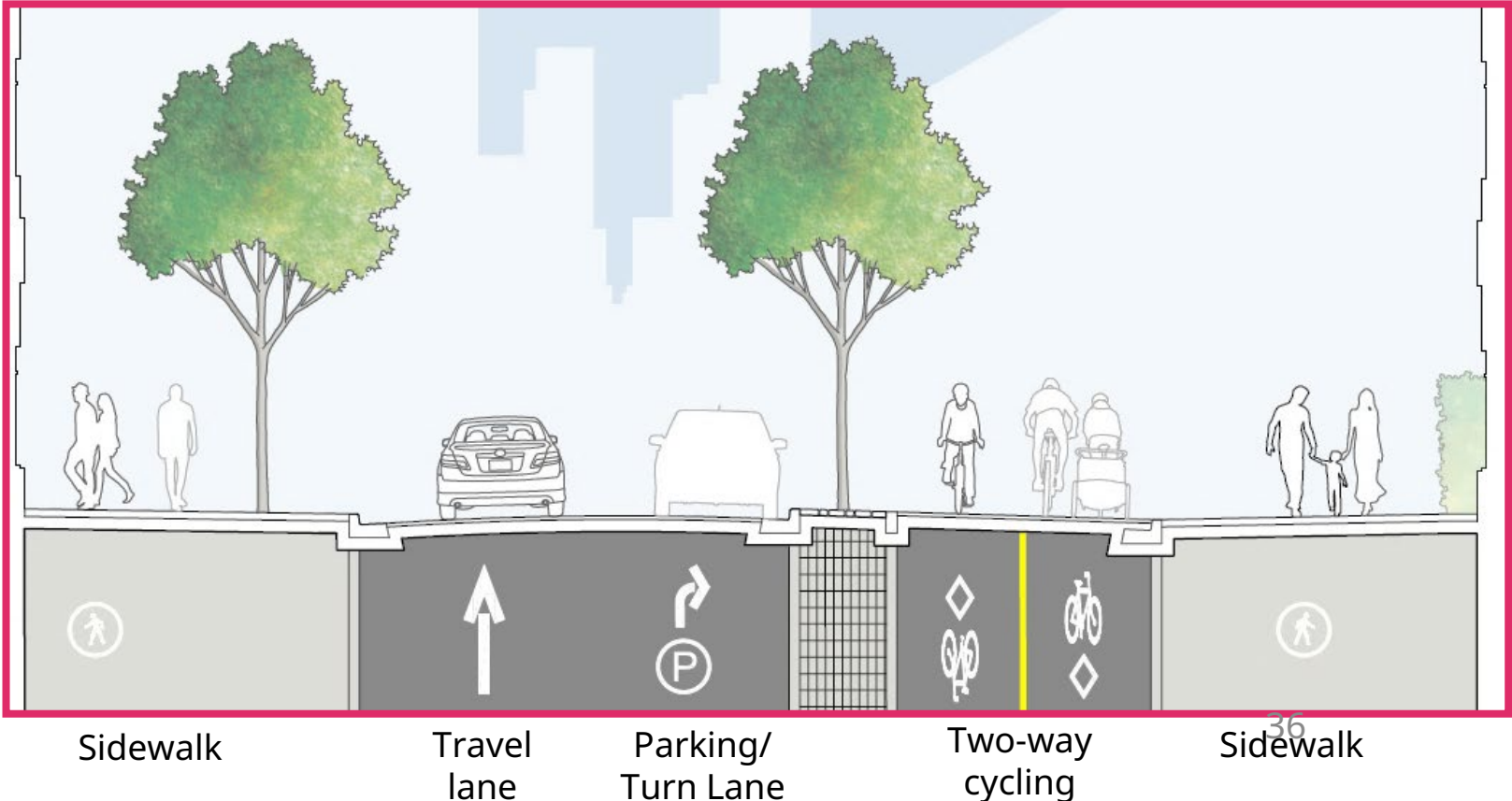
Construction coordinated with Granville Connector | Complete 2025

A complete street between Hornby St. and Pacific Blvd.

-  Drake Street vehicle access
-  Drake Street two-way bike access
-  Existing street
-  Existing bikeway
-  Future vehicle access
-  Future bikeway



Links
Granville Connector
with
downtown AAA network

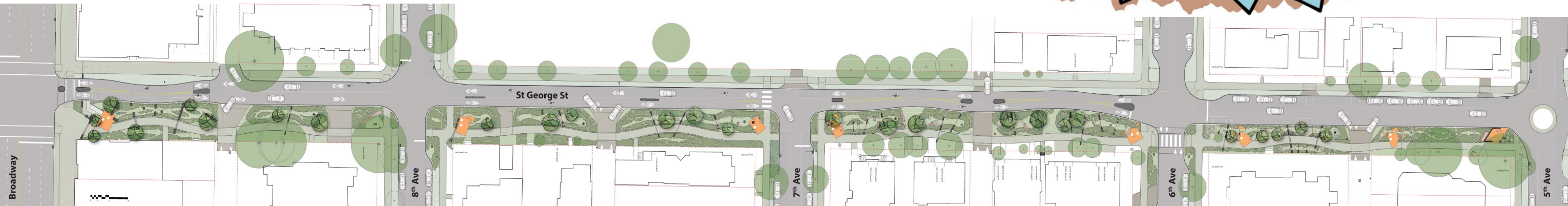
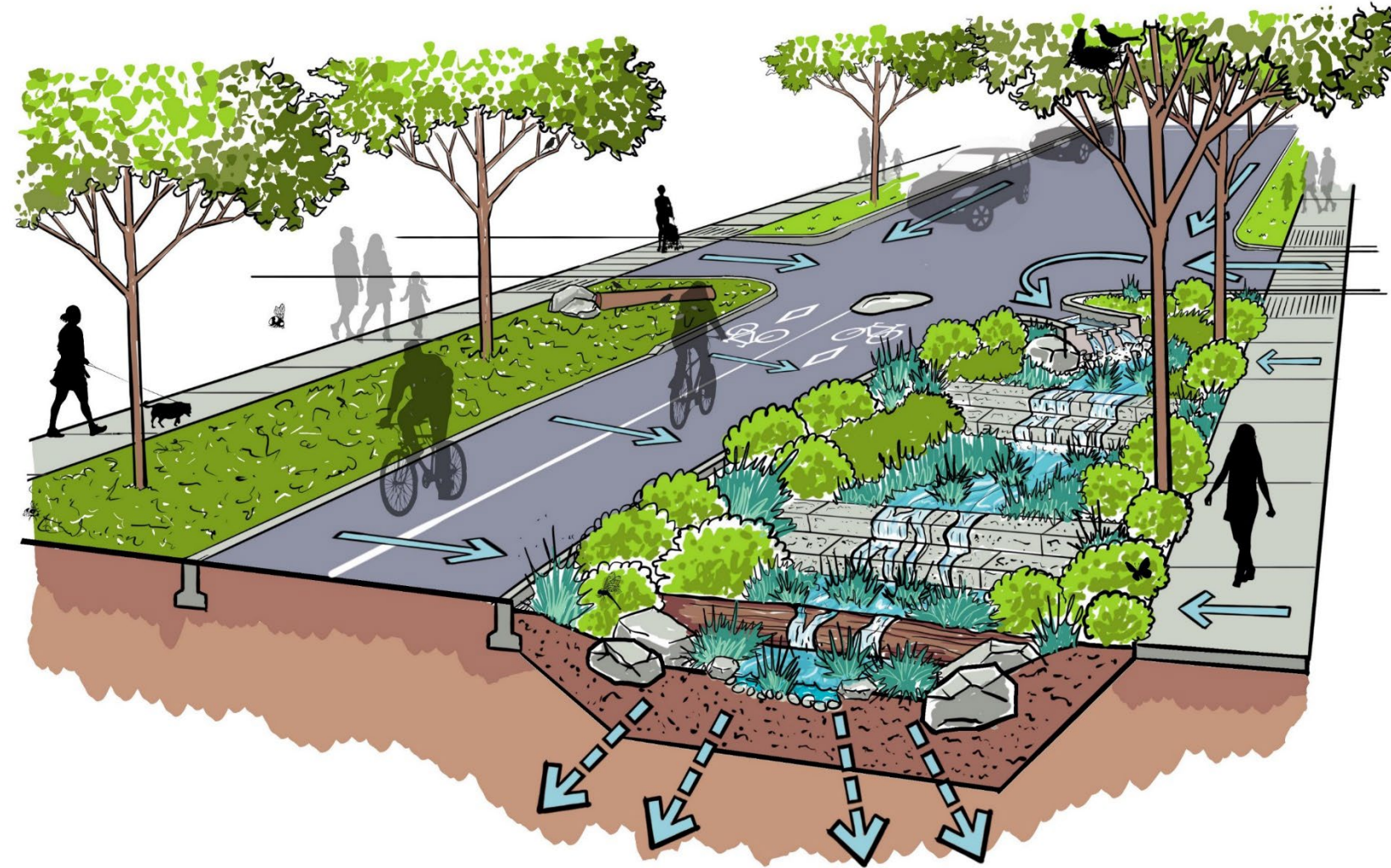


St. George Rainway

Phase 1 (north of Broadway) under construction

Re-imagining the street to support
**nature, mobility,
community and learning**

- Improved rainwater management, new public spaces, and safe active transportation
- Car-free spaces at Broadway and between 6th and 7th Avenues



Other underway/upcoming improvements

Making active travel safer across the city



Improvements are taking place throughout the city

Recent and upcoming highlights include:

- Arbutus Greenway @ King Edward (2024)
- Arbutus Greenway @ 41st (2025)
- Ontario Greenway – Walter Hardwick to 2nd Ave (2025)
- King Edward bikeway extension – Dunbar to Quesnel (2024)
- Eastside Crosscut Greenway (Fall 2025)
- Seaside Greenway at Kits Beach (2024/25)
- Beatty St upgrades - Smithe to Georgia (2025)
- Kent Ave (2025-2026)
- Melville Complete Street (2025-2026)
- Portside Greenway (starting 2026)

... plus other spot safety improvements and extensions coordinated through development and street restoration

Arbutus Greenway improvements
at King Edward Ave
are currently under construction

Focus: Vibrant Streets

Gastown Public Space Plan

Towards a great plan for Gastown streets & spaces

2023

PHASE 1

Refine Goal & Objectives +
Discuss Ideas & Experiences

MTSQ Near-term Repairs



2024

PHASE 2

Develop & Review Concepts

Determine preferred approach to deliver a
pedestrian-focused Water Street and improve
public space in Gastown

Water Street Pedestrian Zone Pilot



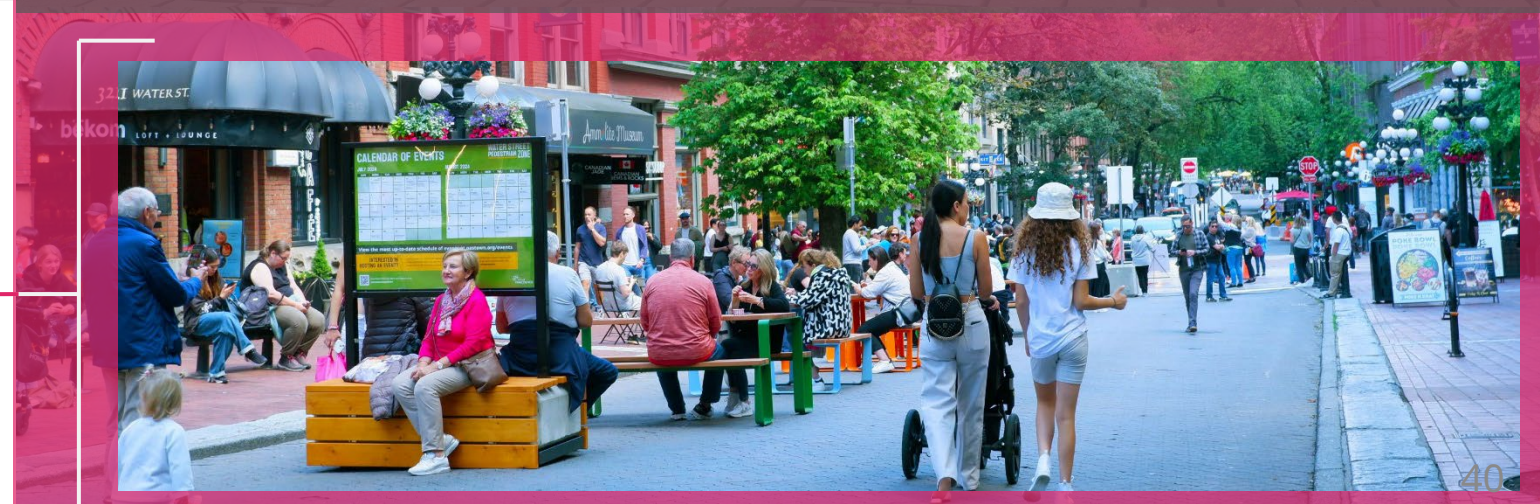
2025

PHASE 3

Refine Concepts & Draft Plan

Final Plan to Council

Staff are working closely with the local Nations to advance reconciliation and support their visibility on their lands throughout the process.



Water Street Pedestrian Zone

Street Use, Programming and Sanitation



Working with the local Nations, BIA, local businesses and other community organizations to activate the street.



Creating a welcoming space by providing additional seating, planters, storytelling features, enhanced cleaning approach and peer ambassador program.



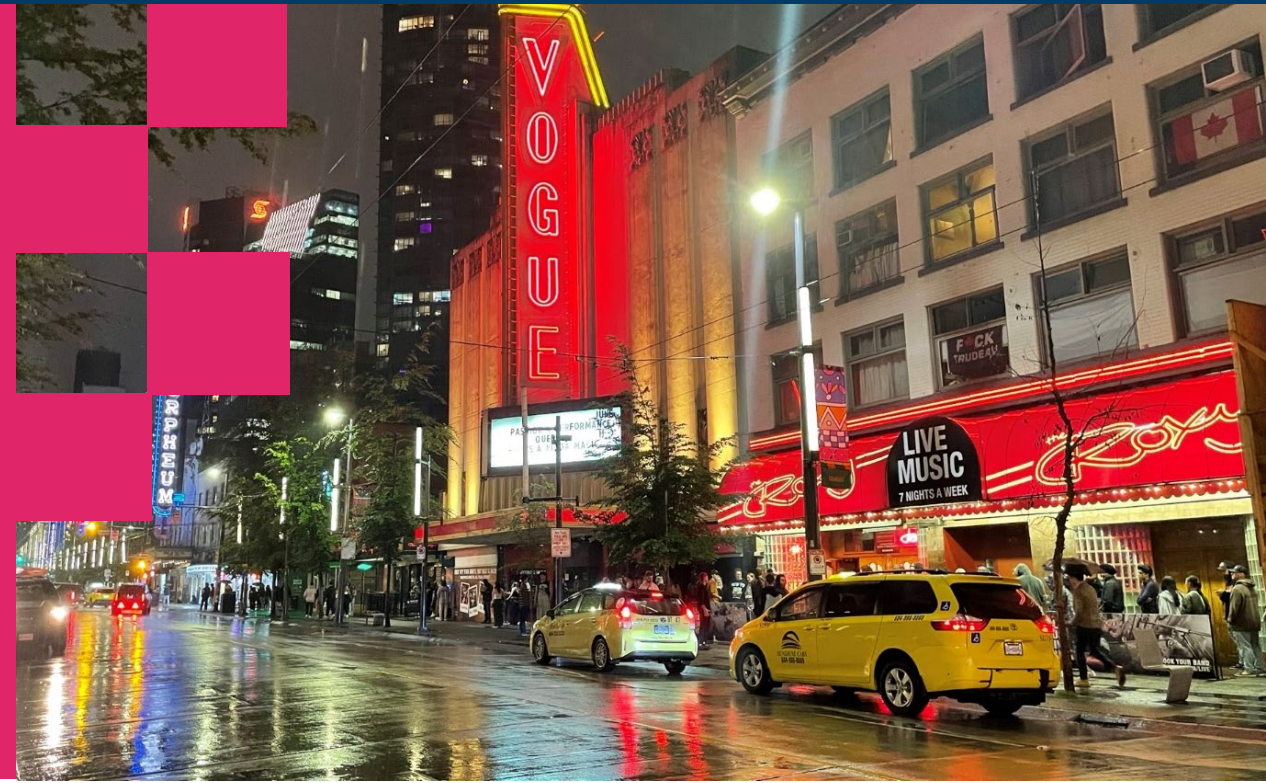
Supporting business and community groups to help activate the street with streamlined permit processes and relaxed program guidelines.



Granville Street

A **new vision** for Granville Street:
An **eclectic** and **electric** destination
public space to support a **safe** and
welcoming 24/7 entertainment district

Subject to Council direction,
near-term street improvements and pilots
to activate Granville Street
will be delivered in 2025



Davie Village: Space for People

Part of West End Commercial Streets Plan

Investing in **transportation & public space** improvements on **Davie Street**

Construction in 2025-26

Benefits include:

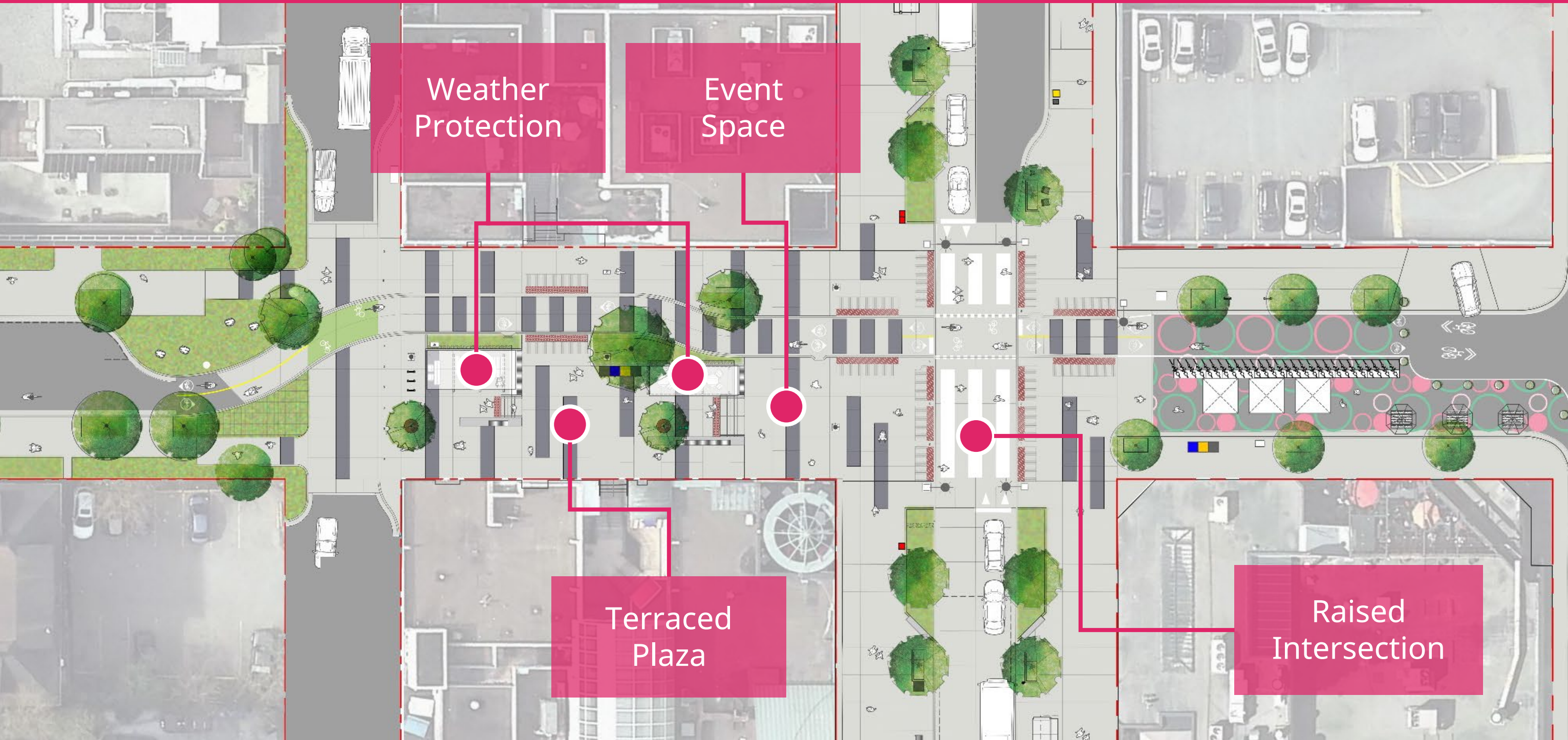
- Wider sidewalks
- More space for patios
- More places to stop & rest
- More trees



Above: sketch showing wider sidewalks, trees, patios and a mid-block crossing between Thurlow and Bute streets.

Bute-Robson Plaza

Under Construction | Complete 2025



Four Permanent Plazas

Upgrades to four successful temporary plazas



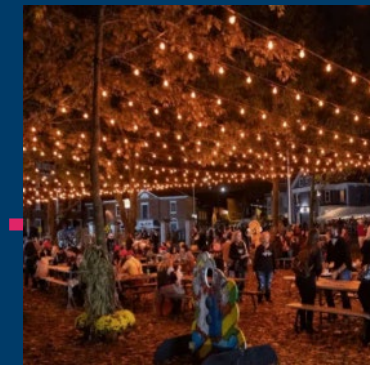
Electrical & Utility Upgrades



Integrated Landscaping & Seating



Increased Tree Canopy



Decorative Lighting Support

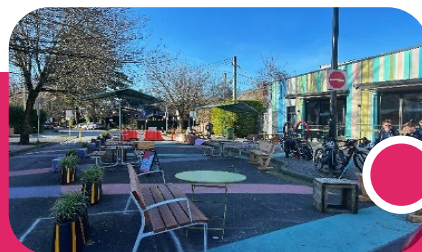


Support Shared Micromobility



Event Space & Flexible Use

Upgrades on the way



○ Cambie & 18th



○ Kamloops & Hastings



○ Main & 14th



○ Granville & 14th

Partner-led Improvements & Upgrades



Punjabi Public Realm Improvements



Social Service Parklets

Weather Protection



Chinatown Banners

2023 Community Programs

Placemaking

60+ placemaking projects



Green Streets

700+ Gardeners



Murals + Street Art

30+ Murals



Photo Credit: Mavreen David

Public Events in 2023

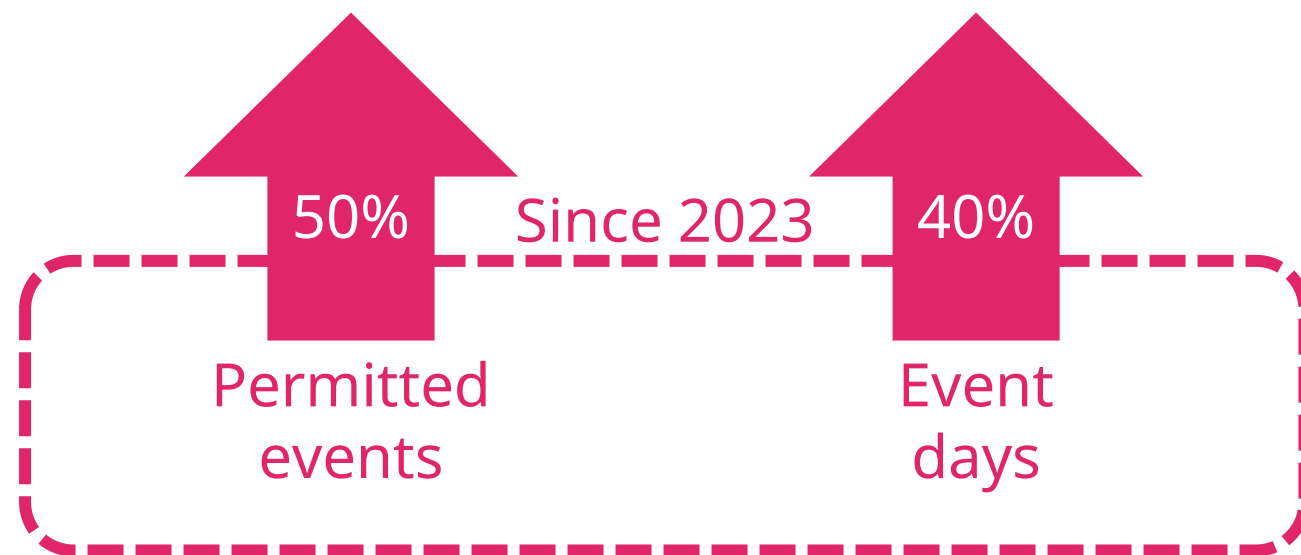
Making outdoor events and festival easier to hold

Newly implemented:

- Special Events Advisory Task Force
- Traffic Management Plan Library
- Plaza Event Guide for Organizers
- Open Streets Permitting

461 Events

4962 Events days



Patio Program

Supporting local businesses:

- More flexible design options
- Simplified permit process
- Updated design guidelines and tools for applicants
- City-delivered traffic safety measures

Patio Program Review:
Council will hear
proposed Patio Program
updates in late 2024

Successful 2024 Program Rollout

172 Summer curbside and sidewalk patios (to date)

400 Year-round sidewalk patios

59 Year-round curbside trial

Focus:
Manage and enable use of streets & public space

Street Horticulture

2023 budget increase supported **higher service levels** for horticulture **maintenance**:

- 171 median gardens vs. 113 in 2022
- Transition to 'natural management' approach for meadows project (~4,000 m²)

2,000+ assets
700+ volunteers
Improved maintenance



Photo Credit: Shannon Mendes



Plaza & Parklet Management

Upgraded Service for 2024

Regular Microcleaning

- 26 plazas & 9 social service parklets
- Daily in high season (May – Nov)
- 3x a week in low season (Dec – Apr)

Seasonal response

- Leaf Pickup & Removal:
2x a month at plazas (Oct – Jan)



Power Washing:

- 22 plazas, 12 social service parklets and 6 public parklets
- 4x year

Partner support

- Planter watering
- Umbrella care
- Day-to-day tidying
- Monitoring & reporting
- Programming & Activations



Public Realm Partnerships & Peers

Some plazas need additional support to keep them feeling safe & inclusive

Peers with lived experience offer services, care, light outreach and de-escalation in some of our most frequented public spaces

Peer ambassador programs in public gathering spaces including:

- 6 social service parklets
- Jim Deva & Kamloops Hastings Plaza (2023)
- Water Street



Support Local Filming

**2023 was a difficult year
and many productions were affected**

- International labour disputes significantly impacted Canadian film industry for +6 months
- Electrification (PREP): 27% of productions replaced at least one diesel generator and qualified for the clean energy incentive.

50%

Less filming
days in 2023

More filming days
already in 2024

[Home](#) > [Events and Entertainment](#)

Photos + Video: A peek at the 'Tron: Ares' film shoot on Vancouver's Cambie Bridge

The third installment of the Disney action-adventure series is using the bridge to film a "simulated vehicle accident"

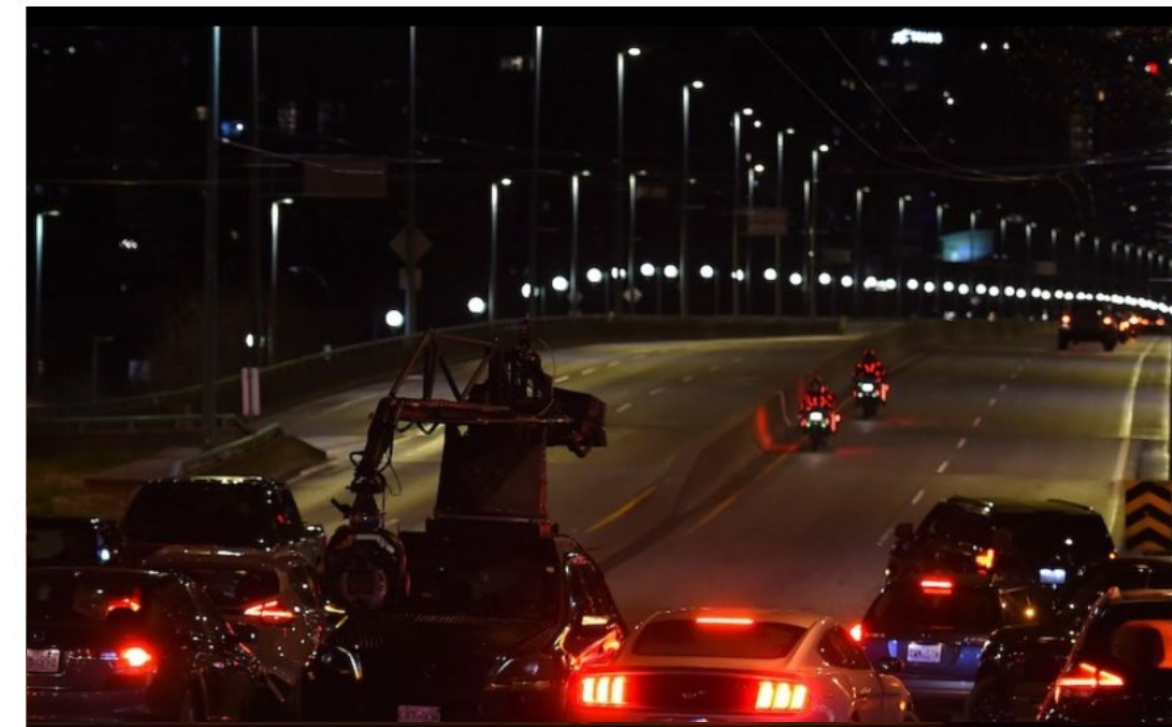


[Lindsay William-Ross](#)

Mar 15, 2024 7:51 AM

Updated Mar 15, 2024 8:20 AM

**VANCOUVER
IS AWESOME**



1 / 7 The Cambie Bridge will close again for filming of a "simulated vehicle accident" for the movie "Tron: Ares" from Friday, March 15 at 7 p.m. to Saturday, March 16 at 6 a.m. | Brendan Kergin/V.I.A.

Pay Parking Improvements

Ongoing

Adding stations

4,000 aging meters replaced by pay stations by 2026. Stations will accept coins, credit, debit and e-wallets.



Adding bike racks

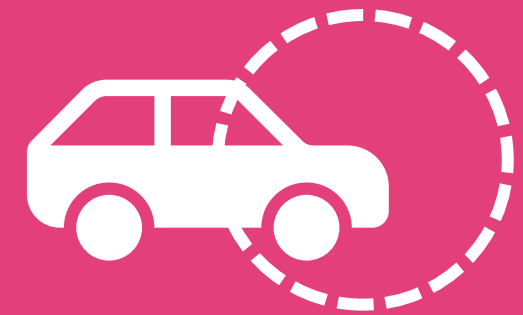
700+ meters repurposed into secure bike racks



Rolling Out

Pay Parking Expansion - 2024

- Mount Pleasant Industrial Area
- Spanish Banks
- Victoria Drive



More Payment Options - 2025

Provide choice for customers and explore new functions, like managing parking permits.



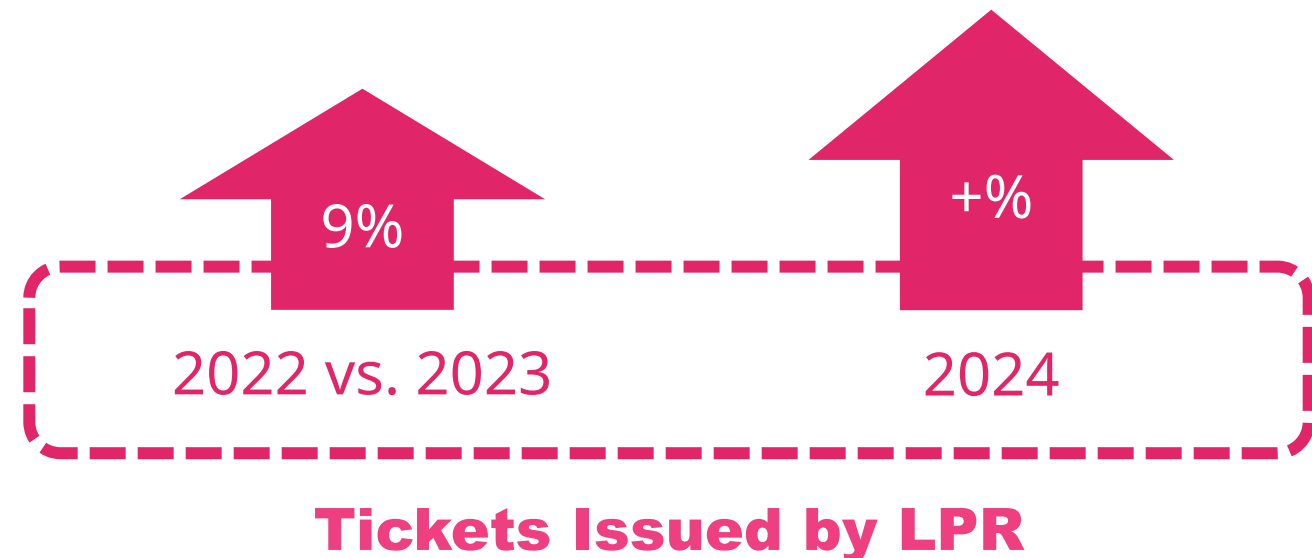
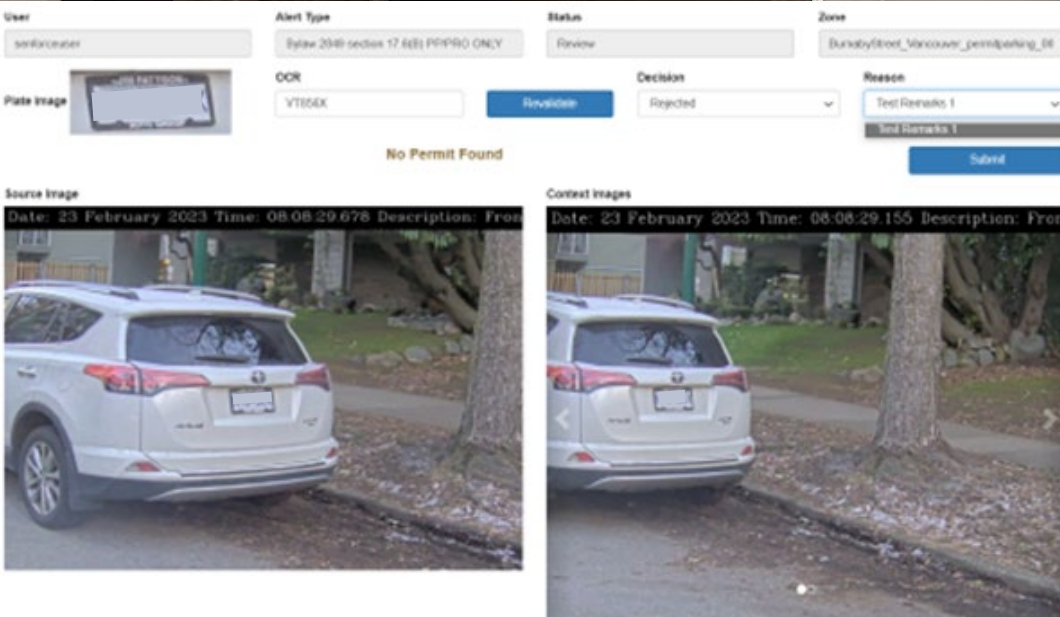
Parking Enforcement Improvements

Working towards safer and more effective curbside management



So far:

- Deployed License Plate Recognition (LPR) system
- LPR enforcing 30% of residential permit parking & time-limited parking
- LPR and pay station upgrade timing linked
- A safer enforcement tool for staff



Shared Micromobility: Public Bikeshare

Mobi by Rogers public bikeshare system has had +6 million rides since 2018.

- 2023: First year with +1 Million Rides
- 2024: Aiming to **beat 2023 records**
- E-bikes are driving ridership growth
- Expansion to Point Grey & UBC
- New community passes for Persons with Disabilities and Youth enabling new riders
- 18 PBS locations electrified on street right of way by 2024 end



Building on Shared Micromobility Experience



Lime Shared E-Scooters System: Launching late summer 2024

Expanding Shared Micromobility

Building a shared mobility ecosystem to offer more sustainable, accessible and flexible transportation options

E-scooters and ebikes are exciting ways to get around in the city.

moment to walk
oter or bike
you care.

CITY OF
VANCOUVER
er.ca/escooters


**WALK YOUR
WHEELS**



SLOW YOUR ROLL

CITY OF
VANCOUVER



- Vancouver leading shared micromobility ecosystem growth
- Recent bylaw changes to enable e-devices on the Seawall and major streets
- Launching e-mobility education campaign to encourage ridership and educate around considerate behaviours



Silvestre
RESTAURANTE PISCANO

Annite Museum

CALENDAR OF EVENTS

DATE	EVENT
JUL 10	Water Street Pedestrian Zone
JUL 11	Water Street Pedestrian Zone
JUL 12	Water Street Pedestrian Zone
JUL 13	Water Street Pedestrian Zone
JUL 14	Water Street Pedestrian Zone
JUL 15	Water Street Pedestrian Zone
JUL 16	Water Street Pedestrian Zone
JUL 17	Water Street Pedestrian Zone
JUL 18	Water Street Pedestrian Zone
JUL 19	Water Street Pedestrian Zone
JUL 20	Water Street Pedestrian Zone
JUL 21	Water Street Pedestrian Zone
JUL 22	Water Street Pedestrian Zone
JUL 23	Water Street Pedestrian Zone
JUL 24	Water Street Pedestrian Zone
JUL 25	Water Street Pedestrian Zone
JUL 26	Water Street Pedestrian Zone
JUL 27	Water Street Pedestrian Zone
JUL 28	Water Street Pedestrian Zone
JUL 29	Water Street Pedestrian Zone
JUL 30	Water Street Pedestrian Zone
JUL 31	Water Street Pedestrian Zone

View the most up to date calendar at gastown.org/events

White event tent with tables and chairs, likely for a market or festival.