

TRANSPORTATION COMMITTEE

TO: *MAYOR AND COUNCILLORS*

**SUBJECT: 2024-2025 TRANSPORTATION PROJECT HIGHLIGHTS AND
UPCOMING MAJOR INITIATIVES**

RECOMMENDATION:

THAT the report titled “2024-2025 Transportation Project Highlights and Upcoming Major Initiatives” dated February 11, 2026, of the Transportation Committee meeting, be received for information.

REPORT

The Transportation Committee, at its meeting held on February 11, 2026, received and adopted the attached report providing Council with an overview of key transportation project highlights for 2024-2025 and introducing major initiatives planned for 2026.

On behalf of the Transportation
Committee,

Councillor R. T. Lee
Chair

Councillor D. Tetrault
Vice Chair

TO: TRANSPORTATION COMMITTEE (TC)
FROM: GENERAL MANAGER ENGINEERING
SUBJECT: **2024-2025 TRANSPORTATION PROJECT HIGHLIGHTS AND
UPCOMING MAJOR INITIATIVES**
PURPOSE: To provide Council with an overview of key transportation project highlights for 2024-2025 and to introduce major initiatives planned for 2026.

RECOMMENDATION

THAT the report titled “2024-2025 Transportation Project Highlights and Upcoming Major Initiatives” dated February 11, 2026, be received for information.

EXECUTIVE SUMMARY

This report highlights transportation projects and programs delivered in 2024–2025 and outlines major initiatives planned for 2026 in support of the Burnaby Transportation Plan. Together, these efforts advance the City’s goals for a safe, connected, accessible, and sustainable transportation system.

Walking & Pedestrian Safety Improvements

Progress in 2024–2025 focused on expanding sidewalks, upgrading crosswalks and intersections, and improving accessibility through touchless Accessible Pedestrian Signals. Comprehensive elementary school safety reviews and targeted sidewalk improvements strengthened safer routes to school and addressed key gaps in the pedestrian network.

Cycling and Active Transportation Networks

Key investments improved cycling connectivity and safety, including the Edmonds Town Centre Cycling Network, the Burnaby Lake Overpass over Highway 1, and lighting upgrades along multi-use facilities to support year-round active transportation.

Active Transportation Education and Promotion

The City supported active travel through Go By Bike Week and the Learn2Ride program, encouraging new and existing riders and providing cycling education to elementary school students.

Traffic Safety, Operations, and Planning

Traffic safety improvements were implemented at collision-prone locations, supported by the Edmonds Speed and Traffic Management Study, enhanced special events traffic management, and a new Construction Road Closures Web Map. Foundational

initiatives, including the Household Travel Survey, ITS Strategic Plan, and EV Charging Strategy, strengthened data-driven planning and system modernization.

2026 Upcoming Major Initiatives

Planned initiatives for 2026 include pedestrian safety projects, sidewalk upgrades, a School Street pilot, an electric bike share program, curbside management, smart street lighting, and implementation of the Transportation Asset Management Plan to further improve safety, accessibility, and system performance.

1.0 POLICY SECTION

The projects described in this report support the City of Burnaby's Corporate Strategic Plan and goals for a safe, connected, healthy, and dynamic community. These projects are aligned with Council-adopted goals, policies, and targets identified in the Burnaby Transportation Plan and the City's Climate Action Framework that support the development of a sustainable, safe, and accessible transportation network.

2.0 BACKGROUND

This report highlights progress made in 2024-2025 in support of the Burnaby Transportation Plan and outlines upcoming major initiatives planned for 2026.

3.0 GENERAL INFORMATION

3.1 Transportation Highlights 2024-2025

Presented below are transportation highlights in 2024-2025, including significant projects, policies, and programs in support of the Burnaby Transportation Plan.

3.1.1 Walking & Pedestrian Safety Improvements

New Sidewalks Program

The New Sidewalks Program delivers new pedestrian infrastructure to improve walkability, accessibility, and safety across Burnaby. The Program prioritizes projects based on pedestrian demand, connectivity to key destinations, and alignment with City priorities, while responding to the diverse needs of the community. The projects will be delivered in future years through the City capital program. The identified top 10 priority projects include:

1. Irmin Street/Nelson Elementary and Lyndhurst Elementary
2. Carleton-Madison-Triumph
3. Clinton Elementary
4. Burnaby North Secondary
5. Edmonds and John Knox Christian Elementary
6. Marlborough Elementary
7. South Slope Elementary
8. Kitchener Elementary
9. Harwood Park

10. Capitol Hill, Morley, and Armstrong Elementary

Priority Crosswalk and Intersection Upgrades

Crosswalk and intersection upgrades help road users better navigate the transportation network. Upgrades are prioritized to maximize safety improvements citywide based on technical factors, including: proximity to transit, schools, parks, civic facilities, trails and other high pedestrian traffic areas, traffic volumes, collisions, and sightlines.

New Rectangular Rapid Flashing Beacon (RRFB) crosswalks that were implemented include:

- 15th Avenue and 6th Street
- Oakland Street and Brantford Avenue
- 5400 Block of Marine Drive
- Douglas Road and Halifax Street (including new All-Way Stop with Overhead Flasher)
- Parker Street and Beta Avenue

New traffic signals that were constructed include:

- Canada Way and 14th Avenue (Pedestrian Signal)
- Imperial Street and Morley Drive/Humphries Avenue (Pedestrian Signal)
- Government Road and Brighton Avenue (Full Signal)
- University Drive East and Nelson Way (Fire Hall Signal for Fire Hall #8)

Intersection upgrades included:

- Gilmore Avenue and 1st Avenue/Douglas Road (Protected Left Turns on Gilmore Avenue)

Touchless Accessible Pedestrian Signals Standard

As an ongoing initiative since 2025, Burnaby's Accessible Pedestrian Signals (APS) were updated to support safe and inclusive crossings for people with vision and/or hearing loss. APS uses audible, tactile, vibration, and touchless features to improve accessibility, and all new traffic signals are now required to include touchless APS as a standard. Ongoing enhancements are being made to existing signals, to upgrade them to our new standards.

Elementary School Safety Improvements

This project involved a comprehensive traffic and safety review at all elementary schools within Burnaby School District No. 41 to identify opportunities for improvement. Recommendations included pick-up and drop-off regulations, signage, pavement markings, flexible delineators, speed management features, sidewalks, crosswalks, curb extensions, and street lighting. The initiatives improved safety and accessibility for students and families while supporting safer

routes to school and active travel. Safety improvements have been implemented at the following schools:

1. Windsor Elementary
2. Nelson Elementary
3. Second Street Community
4. École Marlborough Elementary
5. Taylor Park Elementary
6. École Inman Elementary
7. Morley Elementary
8. Sperling Elementary
9. Stride Avenue Community
10. Glenwood Elementary
11. John Knox Christian School
Elementary Campus
12. Gilmore Community
13. Aubrey Elementary
14. Cameron Elementary
15. Rosser Elementary
16. Armstrong Elementary
17. Capitol Hill Elementary
18. Suncrest Elementary
19. Twelfth Avenue Elementary
20. Cascade Heights Elementary
21. Ecole Seaforth Elementary
22. Forest Grove Elementary
23. South Slope Elementary
24. Buckingham Elementary
25. Clinton Elementary
26. Confederation Park Elementary
27. Lochdale Community
28. St Helen's Elementary School
29. Parkcrest Elementary
30. Stoney Creek Community
31. Brantford Elementary
32. Chaffey-Burke Elementary
33. Douglas Road Elementary
34. Gilpin Elementary
35. Lakeview Elementary
36. Lyndhurst Elementary
37. University Highlands Elementary
38. Westridge Elementary

School Walkway Upgrades (Irmin) – Nelson Elementary School

This project scope involved the implementation of an interim sidewalk near Nelson Elementary to address immediate gaps in the pedestrian network. The improvement enhances safety and accessibility for students and other vulnerable road users, supports safer routes to school, and provides a near-term solution while longer-term infrastructure upgrades are being planned.

Alpha Secondary School Sidewalk Improvements

This project involved the design and construction of new sidewalks and a multi-use facility near Alpha Secondary School and surrounding local streets to complete key pedestrian connections. The improvements aim to enhance safety and accessibility for students and the broader community, support active transportation, and provide continuous, convenient walking routes. This project was completed in Winter 2025.

3.1.2 Cycling and Active Transportation Networks

Edmonds Town Centre Cycling Network

The Edmonds Town Centre Cycling Network advances a connected and comfortable cycling network within the Edmonds area. The project improves safety and accessibility for people cycling, while strengthening connections to

local destinations, transit, and the broader citywide cycling network. This project was completed in Spring 2024.

Burnaby Lake Overpass

The Burnaby Lake Overpass provides a grade-separated crossing over Highway 1, improving safety and continuity for people walking and cycling. The project enhances access to Burnaby Lake Regional Park while strengthening regional active transportation connections.

Multi-Use Facility Lighting Improvements

The City's Multi-Use Facility Lighting Improvements project upgraded and expanded pedestrian-scale lighting to enhance visibility, safety, and comfort during evening and low-light conditions. The improvements support year-round use of active transportation facilities, improve personal security, and advance the City's active transportation and public safety objectives, with recent upgrades completed along the Willingdon Avenue segment in front of the British Columbia Institute of Technology (BCIT).

Active Transportation Education and Promotion

The City supported active transportation through participation in Go By Bike Week and delivery of the Learn2Ride cycling education program. In 2025, Go By Bike Week engaged thousands of participants across the region, including strong participation at the City-sponsored celebration station on the Central Valley Greenway, while Learn2Ride provided hands-on cycling education at nine elementary schools. Together, these initiatives encouraged new and existing riders, supported safer cycling skills, and promoted active travel among residents of all ages.

3.1.3 Traffic Safety and Operations

Road Network Safety Improvements

This project involved the design and implementation of targeted road safety measures, including signage, pavement markings, flexible delineators, and traffic signal visibility enhancements. The safety measures are focused on collision-prone intersections to reduce conflicts and improve safety for all road users. The safety measures at the following intersections were completed as part of this project:

1. Deer Lake Parkway and Royal Oak Avenue
2. Deer Lake Parkway and Willingdon Avenue
3. Grange Street and Willingdon Avenue
4. Grimmer Street and Royal Oak Avenue
5. Imperial Street and Royal Oak Avenue
6. Kingsway and Royal Oak Avenue
7. Kingsway and Willingdon Avenue
8. Lougheed Highway and Willingdon Avenue

9. Still Creek Avenue and Willingdon Avenue
10. Bennett Street and Nelson Avenue
11. Beta Avenue and Lougheed Highway
12. Broadway and Gaglardi Way
13. Burnaby Mountain Parkway and Gaglardi Way
14. Holdom Avenue and Lougheed Highway
15. Lougheed Highway and Sperling Avenue
16. Marine Drive and Nelson Avenue
17. Marine Way and Nelson Avenue
18. Nelson Avenue and Dover Street.

Edmonds Speed and Traffic Management Study

The Edmonds Speed and Traffic Management Study assessed traffic speeds, volumes, and neighbourhood safety concerns within the Edmonds area. The study identified opportunities to reduce speeding, improve road safety, and support a safer, more livable street environment for all road users. The improvements from this Study were implemented in Fall 2025.

Construction Road Closures Web Map

The Construction Road Closures Web Map provides public access to up-to-date information on transportation impacts from construction activities, allowing residents and visitors to plan their travel in advance. The searchable public-facing map displays current and upcoming construction projects with traffic impacts, including permit details, affected locations and dates, impacts to bike and sidewalk facilities, and whether a noise variance is required, and is continuously updated as Traffic Control Permits are approved. The Construction Road Closures Web Map can be found at: <https://www.burnaby.ca/services-and-payments/roads-and-traffic/road-closures>.

Major Special Events Traffic Management

Traffic management plans were developed and implemented to minimize public risk and enhance safety and security during major special events in the city. This work involved close collaboration with internal City departments through the Burnaby Events Safety & Security Team (BESST), event organizers and the RCMP, together with day-of-event support for events with significant road closures and traffic and access impacts. Supported events included Hats Off Day, Canada Day StreetFest, Car Free Day, Deer Lake events, Central Spark, and both the North/South Burnaby Remembrance Day ceremonies.

3.1.4 Data, Planning, and Strategic Initiatives

Household Travel Survey

The Burnaby Household Travel Survey collected updated data on how residents travel within and beyond Burnaby. The results will inform future transportation planning, policy development, and investment decisions based on current travel

behaviour and trends. The Burnaby Household Travel can be found at:
<https://www.burnaby.ca/our-city/projects/burnaby-household-travel-survey>.

ITS Strategic Plan

The Intelligent Transportation Systems (ITS) Strategic Plan provides a framework for the use of advanced technology, real-time data, and analytics to improve the safety, efficiency, and reliability of the transportation network. The plan establishes a five-year roadmap focused on six initiatives: data-driven decision-making, congestion management, pedestrian and cyclist safety, system reliability and resilience, customer information and experience, and smart city integration. Together, these initiatives support the City's Vision Zero, mode shift, and long-term transportation emissions reduction goals. The implementation of the ITS initiatives will be delivered in future years through the City capital program.

EV Charging Strategy

The EV Charging Strategy established a coordinated framework to guide the expansion of electric vehicle charging infrastructure across Burnaby. The strategy supports transportation electrification goals by identifying priority locations, implementation approaches, and partnerships. The EV Charging Strategy is being delivered through a combination of initiatives identified in the implementation framework including regulatory mandates and policies linked to new developments, installation of public charging stations in strategic locations in the city, and through partnerships with organizations such as BC Hydro.

3.2 Upcoming Major Initiatives 2026

Presented below are upcoming major transportation initiatives in 2026.

Central Boulevard Pedestrian Scramble Traffic Signal

The Central Boulevard Pedestrian Scramble will introduce an all-pedestrian crossing phase at Central Boulevard and the Metrotown Underground Parkade Access intersection, directly across from Metrotown SkyTrain Station. Located in a high-pedestrian area, the project will minimize conflicts between vehicles and pedestrians, and support the City's Vision Zero and active transportation goals.

Forest Grove Drive / Ash Grove Crescent – New Pedestrian Signal

A new pedestrian signal will be installed at Forest Grove Drive and Ash Grove Crescent in the Burnaby Mountain neighbourhood to provide a safe and accessible crossing. The improvement will enhance access to nearby parks, schools, and transit stops while improving safety and neighbourhood livability.

New Signed Crosswalks

The following new signed crosswalks will be constructed:

- Hazel Street and McMurray Avenue
- Buffalo Drive and Phillips Avenue
- Kensington Avenue and Sumas Street

Brentwood Elementary School – Delta Avenue RRFB

This project involves the design and implementation of safety upgrades to the existing marked crossing on Delta Avenue in front of Brentwood Park Elementary School. Planned improvements would include a Rapid Rectangular Flashing Beacon (RRFB), curb extensions, pedestrian letdowns, and enhanced street lighting to improve visibility and accessibility. The upgrades aim to create a safer and more comfortable crossing environment for students, families, and the school community.

Sidewalk Upgrades

The following sidewalk projects are being advanced for detailed design, tender and/or construction:

- Irmin Street/Nelson Elementary and Lyndhurst Elementary
- Carleton-Madison-Triumph

School Street Pop-Up

School Streets create temporary car-free zones in front of elementary schools during start and end of the school day. These short-term closures improve safety and air quality and encourage active travel while also providing a space for social interaction. With provincial grant funding, the City will deliver a one-week School Street pilot in Burnaby to evaluate feasibility, operational requirements, safety outcomes, and community response to inform potential future implementation. In collaboration with the School District, school administration, and Parent Advisory Committee (PAC), the pilot will be delivered over a one week period in April 2026.

Electric-Bike Share Program

The Electric-Bike Share Program will introduce a fleet of shared electric bicycles for public access within a defined service area to support short trips and first- and last-mile connections. The program aims to expand transportation choice, reduce reliance on private vehicles, and increase access to cycling for a broader range of users.

Curbside Management Strategy

The Curbside Management Strategy establishes a citywide framework for planning, managing, and prioritizing the use of Burnaby's curb space to ensure it functions safely, efficiently, and equitably for all users. The strategy responds to changing land use and travel patterns by outlining how curbside uses are regulated, delivered, and adapted over time to support evolving transportation and access needs. At its core,

the Strategy recognizes the curbside as a community asset and provides the tools to manage it flexibly to support the City's needs to improve traffic flow, enhance mobility, improve accessibility, and support economic activity.

Transportation Asset Management Plan

Burnaby's Transportation Asset Management Plan provides a long-term framework for data-driven decision-making in maintaining the City's traffic signals, streetlights, and other above-ground transportation infrastructure. This Plan will help optimize funding levels and prioritize transportation asset renewal in the maintenance and capital programs to minimize overall lifecycle costs.

Smart Street Lighting

This project involves installing smart monitoring and control systems for municipal streetlights to improve efficiency and reliability. The system enables scheduled and sensor-based dimming to maintain appropriate lighting levels while reducing energy consumption during low-activity periods and enhances monitoring to support faster identification and repair of malfunctioning streetlights.

Brentwood Pedestrian & Cyclist Overpass Feasibility Study

This project aims to prioritize and assess the feasibility of a pedestrian and cyclist linkages/overpasses at five potential locations identified in the Brentwood Town Centre Development Plan. The five potential crossing locations include Madison Avenue, Alaska Street, Willingdon Avenue, Beta Avenue, and Douglas Road. The technical assessment will consider potential connections to key pedestrian/cyclist generators in the area, typical cross-sections and important design considerations (such as environmentally sensitive areas, soil conditions, and physical constraints). The project team will also be engaging with the public and key stakeholders to gather feedback. Based on technical engineering assessments and community inputs, the preliminary conceptual designs will be developed for the priority location as well as the associated implementation plan.

4.0 COMMUNICATION AND COMMUNITY ENGAGEMENT

Not applicable.

5.0 FINANCIAL CONSIDERATIONS

The projects described in this report are funded through Transportation operating budget, 5-year Capital Program, and external grant funding where applicable.

Respectfully submitted,

May Phang, P.Eng., General Manager Engineering

REPORT CONTRIBUTORS

This report was prepared by Po Sun, M.Sc., AICP, Senior Transportation Planner, Martin To, P.Eng., Transportation Engineer, and Isaac Baker, EIT, Engineer in Training, and reviewed by Kathy Ho, P.Eng., PTOE, Senior Manager Transportation, Fred Lin, P.Eng., PTOE, Senior Manager Transportation, Eric Tam, P.Eng., PTOE, Senior Manager Transportation, and Amy Choh, P.Eng., PMP, Director Engineering Transportation.