

**COMMITTEE OF THE WHOLE - PUBLIC
SCHOOL DISTRICT 41 - BURNABY
AGENDA**

Monday, January 15, 2024, 4:00 pm
Video Conference

Pages

- 1. Confirmation of Agenda**
- 2. Education Technology Plan Presentation**
- 3. Burnaby North Secondary Demolition Update**
- 4. Updates from Burnaby Community Committees:**
 1. Transportation Committee 1
- 5. Adjournment**



LIAISON TRUSTEE REPORT

Name of Committee/Organization: Transportation Committee

Liaison Trustee: Larry Hayes

Date of Meeting: November 22, 2023

Topics Discussed Most Relevant to the School District:

- "Burnaby Elementary School Traffic & Safety Study Update"
Following the presentation of the attached report, I commented on the importance of further educating parents, students, and the public regarding traffic safety around our elementary schools. I noted that there is ongoing need for school principals to be proactive during high traffic volume periods. If problem situations continue, the potential of having greater involvement from the City of Burnaby Bylaw Officers and the RCMP may be considered, firstly with education initiatives but also through enforcement actions if necessary.

Committee/Organization Actions:

For information.

TO: TRANSPORTATION COMMITTEE
FROM: GENERAL MANAGER ENGINEERING
SUBJECT: **BURNABY ELEMENTARY SCHOOL TRAFFIC AND SAFETY STUDY UPDATE**
PURPOSE: To present an update on the Burnaby Elementary School Traffic and Safety Study.

RECOMMENDATION

THAT the report titled “Burnaby Elementary School Traffic and Safety Study Update” dated November 22, 2023, be received for information.

1.0 POLICY SECTION

The Burnaby Elementary School Traffic and Safety Study supports the City of Burnaby’s Corporate Strategic Plan and goals for a safe, connected, healthy, and dynamic community. The study is also aligned with Council-adopted policies, plans, and strategies within Burnaby’s Transportation Plan that supports a sustainable, safe, and accessible transportation system.

2.0 BACKGROUND

The prevalence of multimodal activities that occur in the vicinity of elementary schools, particularly around school pick-up and drop-off periods, can create potential safety issues and conflicts between vulnerable road users, including parents and students and vehicle drivers. The City initiated the Burnaby Elementary School Traffic and Safety Study in 2022 to review existing traffic conditions and to identify improvement measures to address operational and safety concerns within the vicinity of each school. A total of 43 elementary schools (41 public and 2 private) was part of this review. The study included on-site observations and a review of current traffic volumes and historical ICBC collision data to help understand existing vehicle and pedestrian traffic and/or conflicts. As part of this study, school principals, Parent Advisory Committee (PAC) members, and school crossing guards at each elementary school were also engaged for further inputs to the project team.

3.0 GENERAL INFORMATION

The study has been completed, and staff, considering the technical data and public input gathered, have identified several potential traffic measures to improve school safety and operations.

3.1. Study Recommendations

The study recommendations align with the City’s Traffic and Speed Management Policy and will help address the unique issues for each respective elementary school. An overview of the transportation improvements measures is provided in the following **Table 1** below.

Table 1: Recommended Transportation Improvement Measures

Improvement Measures	Examples
New Pedestrian Crossing Facilities	New crossing opportunities at intersections and locations that are warranted.
Existing Pedestrian Crossing Improvements	Crosswalk restriping, crosswalk upgrades, curb letdowns, new signalization, signal timing changes, and Rectangular Rapid Flashing Beacon (RRFB) sequence updates
Traffic Calming	Raised crosswalk, curb extension locations, speed humps, and speed reader boards
Sidewalk/Roadway Improvements	Improving the condition of existing sidewalks and roadways
Streetlighting	New streetlights through technical analysis
Signage	Standardizing and designating pick-up/drop-off (PUDO) locations, signage location changes, new traffic operation signs, and new curbside regulations
Other	Including flex delineators along curbs, trimming vegetation to improve sightlines, and mountable roundabouts.

A methodology using injury-involved collisions through ICBC collision data (2010-2020) was developed to prioritize all improvements implemented at each school location. The overall implementation as detailed in **Attachment 1**, includes five phases with approximately ten elementary schools per phase. Funding for all phases is integrated in the Transportation 5-year capital plan program and includes both short-term and long-term recommendations for each school. The recommended improvements will be completed on a rolling basis. Further details on the timeline are provided in **Attachment 2**.

3.2. Current Progress

Phase 1 short-term improvements included the top ten priority elementary schools and have been completed during the summer of 2023 through in-house design and construction. Phase 1 long-term improvements require further detailed design and are

expected to be implemented in 2024 - 2025. City staff is currently reviewing and finalizing the design for the remaining phases.

3.3. Monitoring

Following the implementation of the recommended traffic and safety improvement measures, the City will monitor the impacts, and reassess the opportunity for future improvements or design modifications, if needed.

4.0 COMMUNICATION AND COMMUNITY ENGAGEMENT

School principals, Parent Advisory Committee (PAC) members, and school crossing guards at each elementary school were engaged during the study to better understand existing safety challenges, identify opportunities for improvements, and develop potential mitigation measures. The recommended improvements and phased implementation approach (**Attachment 1**) and the proposed recommendations for the Phase 1 elementary schools (**Attachment 2**) was shared with the School District for reference in Spring 2023.

5.0 FINANCIAL CONSIDERATIONS

The proposed short-term and long-term improvements from this study for all phases of implementation have been included in the Transportation 5-year capital plan.

Respectfully submitted,

Jozsef Dioszeghy, P.Eng., General Manager Engineering

ATTACHMENTS

Attachment 1 – Recommended Improvement Summary and Phasing

Attachment 2 – Proposed Phasing Timeline

REPORT CONTRIBUTORS

This report was prepared by Po Sun, M.Sc., AICP, Transportation Planner, and reviewed Kathy Ho, P.Eng., PTOE, Senior Manager, Transportation, and Amy Choh, P.Eng., PMP, Director Engineering Transportation.

ATTACHMENT 1 - Recommended Improvement Summary and Phasing

No.	SCHOOL NAME	RECOMMENDED TRANSPORTATION IMPROVEMENTS							Other
		New Pedestrian Crossings Facilities ¹	Existing Pedestrian Crossing Improvements ²	Traffic Calming ³	Sidewalk / Roadway Improvements	Street Lighting	Signage ⁴	Traffic Operations ⁵	
PHASE 1									
1	Windsor Elementary	Y	Y	Y			Y		Flex delineators
2	Nelson Elementary		Y	Y		Y	Y		
3	Second Street Community Elementary	Y	Y	Y			Y		
4	Ecole Marlborough Elementary		Y	Y			Y		Trim vegetation
5	Maywood Community Elementary		Y						
6	Kitchener Elementary	Y	Y	Y			Y		
7	Taylor Park Elementary		Y	Y			Y		Mountable roundabout
8	Ecole Inman Elementary			Y		Y	Y		Improved ped access to school on Price St
9	Morley Elementary			Y	Y	Y	Y		Trim vegetation
10	Sperling Elementary			Y			Y	Y	Trim vegetation

1. Includes intersection and midblock locations

2. Includes crosswalk restriping, crosswalk upgrades, curb letdowns, new signalization, signal timing changes, and RRFB sequence changes

3. Includes raised crosswalk and curb extensions at intersections and midblock locations, speed humps, and speed reader boards

4. Includes PUDDO designation, signage location change, new traffic operation signs, and new curbside regulations

5. All traffic operational recommendations to require additional detailed review

No.	SCHOOL NAME	RECOMMENDED TRANSPORTATION IMPROVEMENTS							
		New Pedestrian Crossings ¹	Existing Pedestrian Crossing Improvements ²	Traffic Calming ³	Sidewalk / Roadway Improvements	Street Lighting	Signage ⁴	Traffic Operations ⁵	Other
PHASE 2									
11	Stride Avenue Community Elementary			Y			Y		
12	Glenwood Elementary				Y	Y	Y		New School Zone large yellow sign on Marine Dr
13	John Knox Christian School Elementary	Y		Y	Y		Y		
14	Gilmore Community Elementary		Y	Y			Y		
15	Aubrey Elementary					Y	Y		
16	Cameron Elementary	Y		Y	Y		Y		
17	Rosser Elementary								
18	Armstrong Elementary		Y	Y			Y		
19	Capitol Hill Elementary	Y		Y	Y	Y	Y		
20	Montecito Elementary			Y			Y		

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3. Includes raised crosswalk and curb extensions at intersections and midblock locations, speed humps, and speed reader boards

4. Includes pick-up/drop-off (PUDO) designation, signage location change, new traffic operation signs, and new curbside regulations

5. All traffic operational recommendations to require additional detailed review

No.	SCHOOL NAME	RECOMMENDED TRANSPORTATION IMPROVEMENTS							
		New Pedestrian Crossings Facilities ¹	Existing Pedestrian Crossing Improvements ²	Traffic Calming ³	Sidewalk / Roadway Improvements	Street Lighting	Signage ⁴	Traffic Operations ⁵	Other
PHASE 3									
21	Suncrest Elementary			Y			Y	Y	Flex delineators
22	Twelfth Avenue Elementary			Y		Y			Advanced warning flasher for SB on Canada Way
23	Brentwood Park Elementary		Y	Y	Y	Y	Y		
24	Cascade Heights Elementary			Y				Y	New curb to deter illegal parking
25	Ecole Seaforth Elementary		Y	Y	Y		Y		Cones at parking entrance to deter U-turns
26	Forest Grove Elementary		Y						Intersection redesign with reduced turning radius
27	South Slope Elementary		Y	Y		Y	Y		
28	Buckingham Elementary		Y	Y					
29	Clinton Elementary		Y	Y		Y	Y		
30	Confederation Park Elementary			Y	Y	Y	Y		

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4. Includes pick-up/drop-off (PUDO) designation, signage location change, new traffic operation signs, and new curbside regulations

5. All traffic operational recommendations to require additional detailed review

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		New Pedestrian Crossings ¹	Existing Pedestrian Crossing Improvements ²	Traffic Calming ³	Sidewalk / Roadway Improvements	Street Lighting	Signage ⁴	Traffic Operations ⁵	Other
PHASE 4									
31	Lochdale Community Elementary	Y		Y			Y		
32	St Helen's Elementary School			Y			Y		
33	Parkcrest Elementary		Y			Y	Y		Flex delineators
34	Stoney Creek Community Elementary		Y	Y	Y		Y		
35	Brantford Elementary			Y		Y	Y		
36	Chaffey-Burke Elementary			Y		Y	Y		
37	Douglas Road Elementary			Y				Y	
38	Edmonds Community Elementary			Y	Y		Y		
39	Gilpin Elementary			Y			Y		
40	Lakeview Elementary			Y			Y		Flex delineators

1. Includes intersection and midblock locations

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4. Includes pick-up/drop-off (PUDO) designation, signage location change, new traffic operation signs, and new curbside regulations

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No.	SCHOOL NAME	RECOMMENDED TRANSPORTATION IMPROVEMENTS							
		New Pedestrian Crossings ¹	Existing Pedestrian Crossing Improvements ²	Traffic Calming ³	Sidewalk / Roadway Improvements	Street Lighting	Signage ⁴	Traffic Operations ⁵	Other
PHASE 5									
41	Lyndhurst Elementary	Y					Y		Trim vegetation
42	University Highlands Elementary			Y			Y	Y	
43	Westridge Elementary			Y			Y		

1. Includes intersection and midblock locations

2. Includes crosswalk restriping, crosswalk upgrades, curb letdowns, new signalization, signal timing changes, and RRFB sequence changes

3. Includes raised crosswalk and curb extensions at intersections and midblock locations, speed humps, and speed reader boards

4. Includes pick-up/drop-off (PUDO) designation, signage location change, new traffic operation signs, and new curbside regulations

5. All traffic operational recommendations to require additional detailed review

ATTACHMENT 2 – Proposed Phasing Timeline

Phases	2023	2024	2025	2026	2027	2028
1						
2						
3						
4						
5						

Short-Term Improvements

Long-Term Improvements