

# Transportation Update

Council Workshop  
February 2, 2016

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Erica Geddes



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# Workshop Outline

1. Transportation Topics:
  - Spirit Trail
  - School Transportation
  - Crosswalks
  - Traffic Calming - policy direction
2. Funding Transportation Projects
3. Discussion and next workshops



# SPIRIT TRAIL



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# Spirit Trail



CONNECTING NORTH SHORE COMMUNITIES



*In October of 2015, over 2,500 cyclists used the Spirit Trail.*

District of North Vancouver's Western Section was completed in early 2012.

Central Section planning and design is underway now that Bridgman and Seylynn Parks Master Plan is complete.



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# Ongoing management

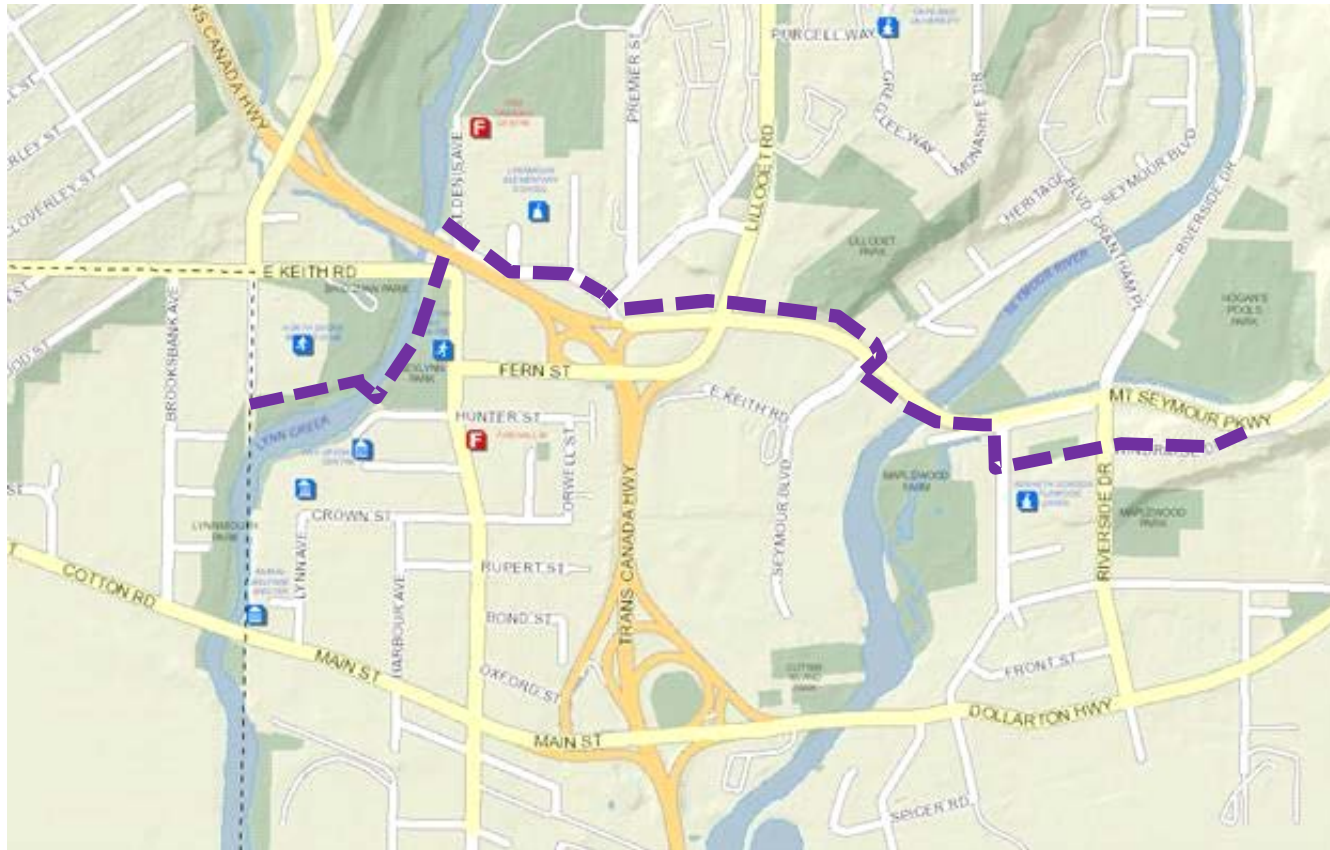
*Sharing can be challenging.....*



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# Revised Alignment for Spirit Trail



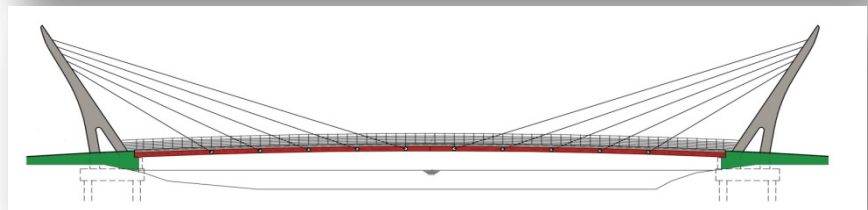
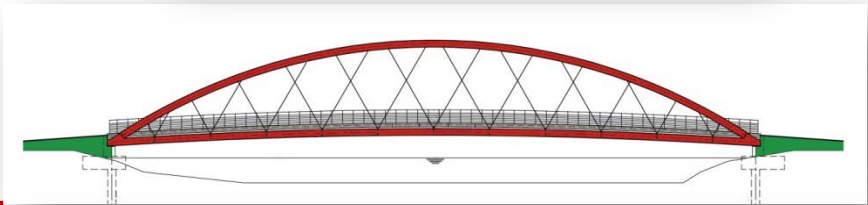
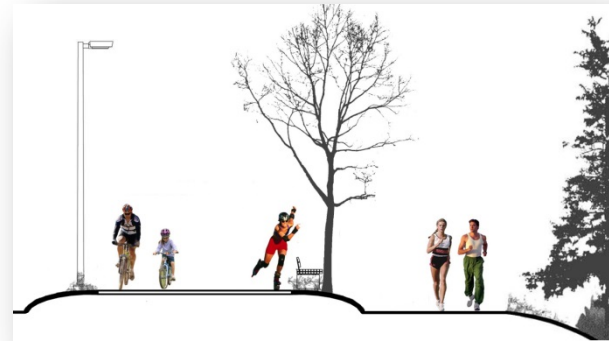
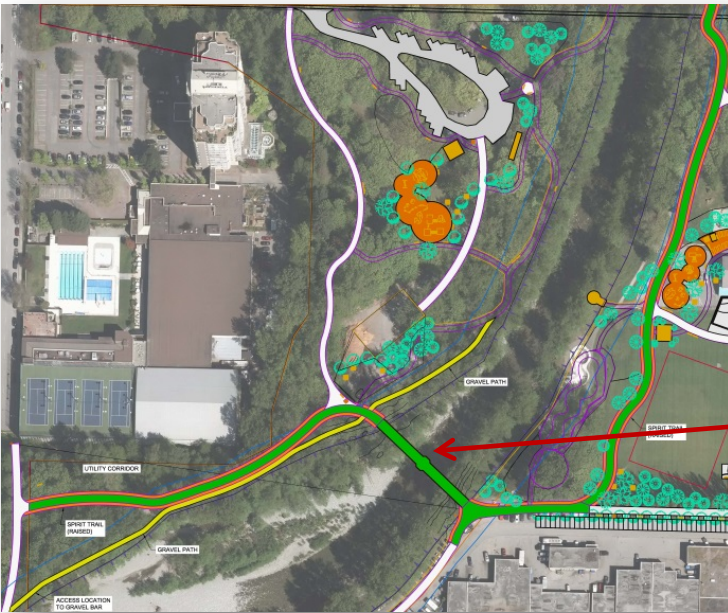
General alignment – detailed planning and engineering still required.

Requesting Council confirmation of route.



# Hunter Street Bridge

Conceptual design complete.  
Funding not yet in place.



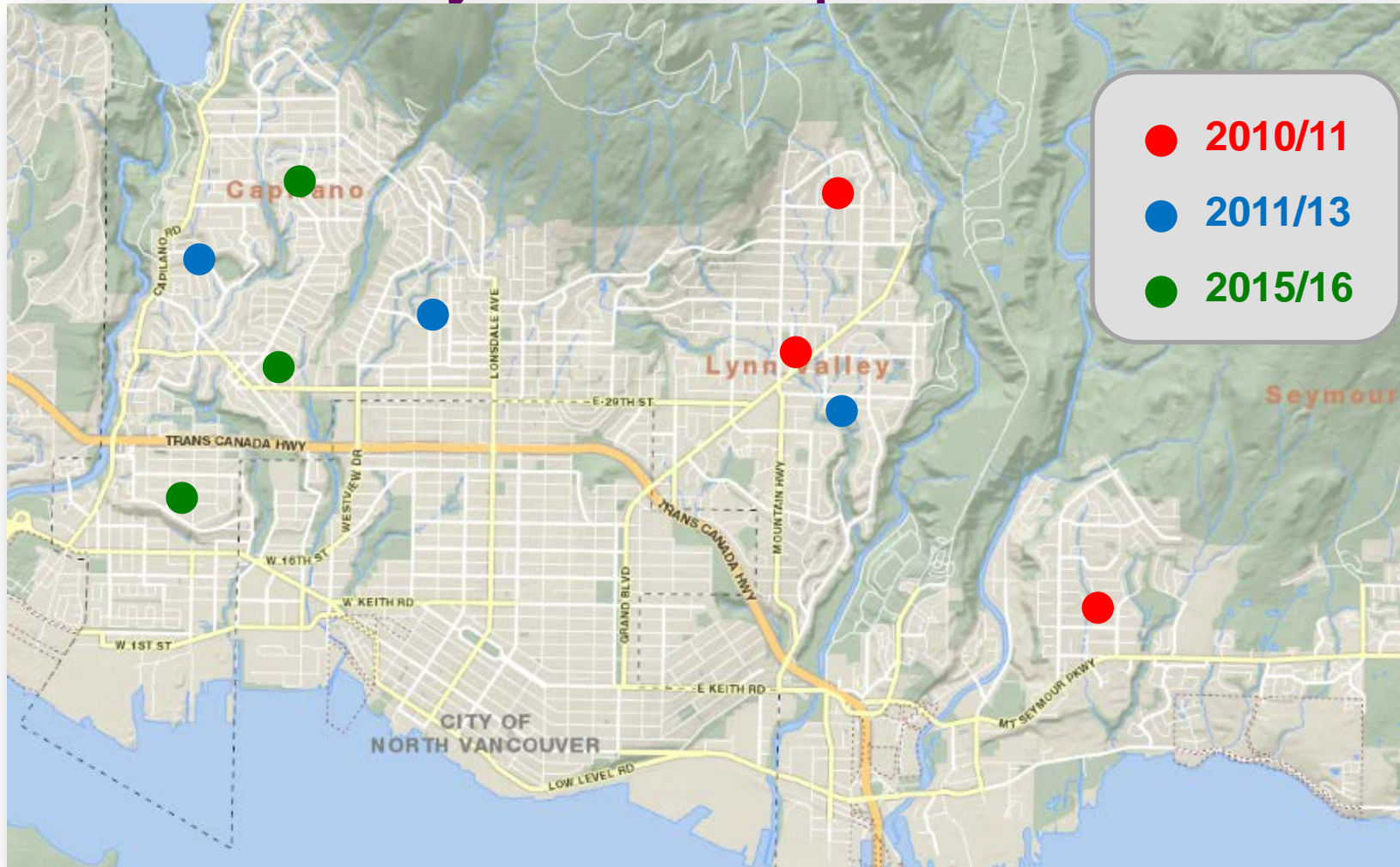
# SCHOOL TRANSPORTATION



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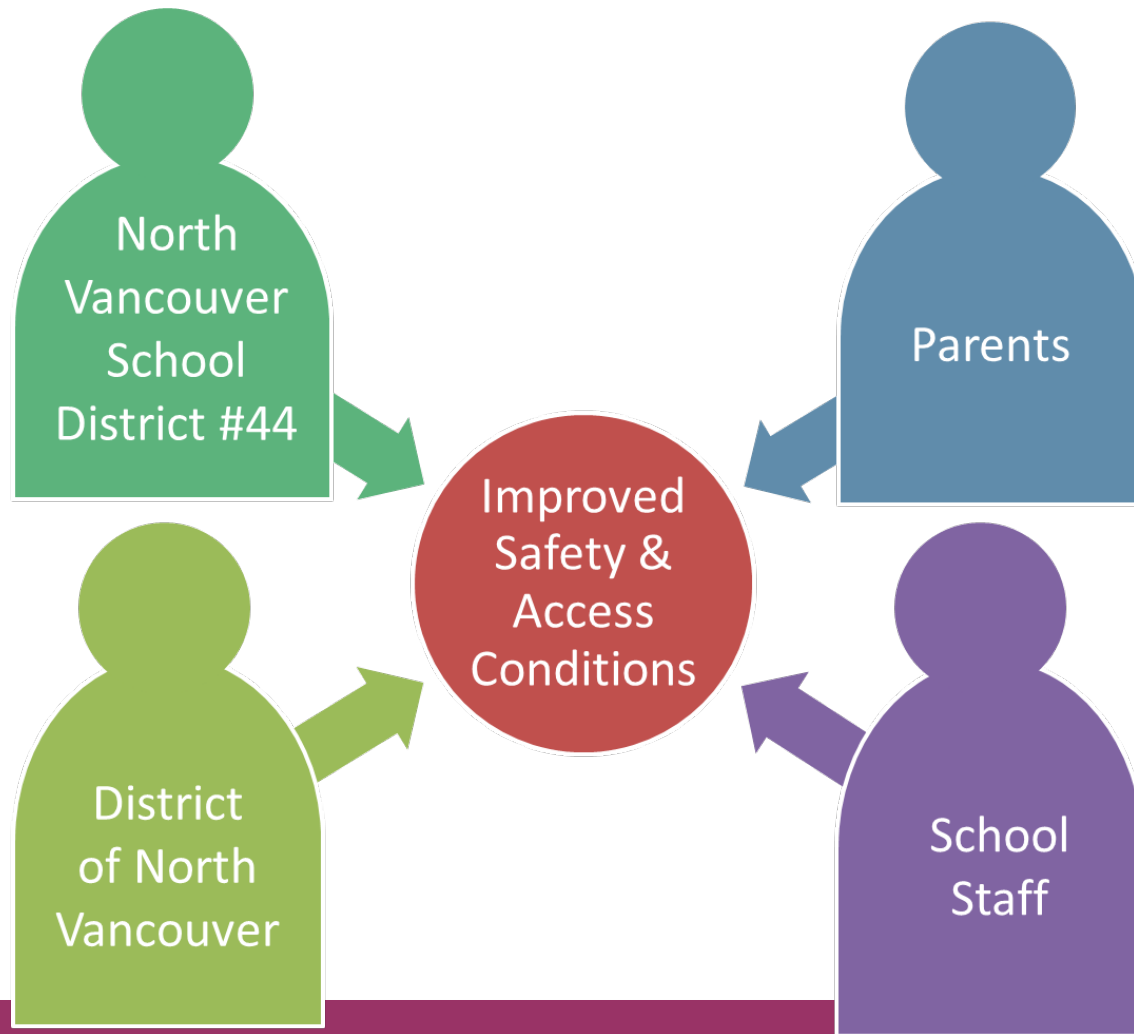


# School Safety & Transportation Studies



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# Successful School Studies



# 2015 School Studies



Capilano Elementary



Canyon Heights  
Elementary



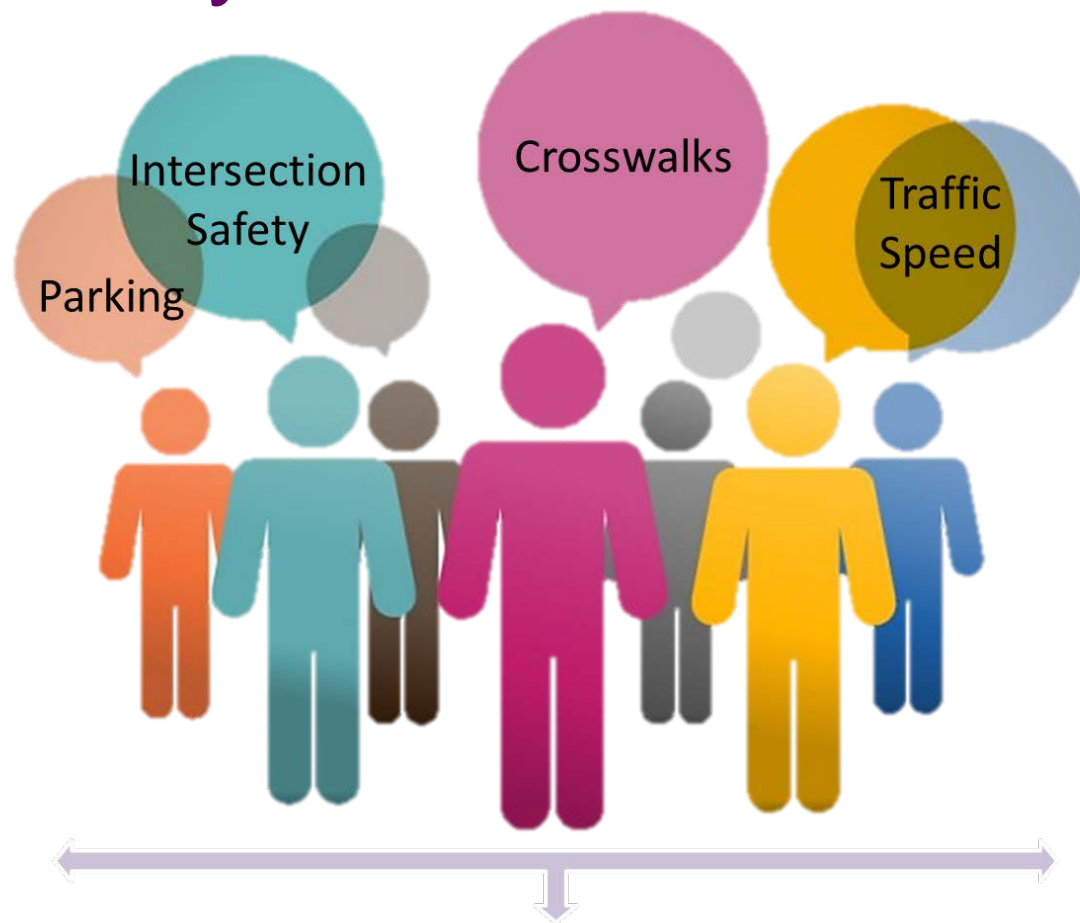
Highlands Elementary



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# Study Recommendations



Safe, active routes to school through  
collaborative priority-setting



# CROSSING TREATMENTS



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# Crosswalk Hierarchy



Signed & Marked Crosswalk  
(~ \$2,500)



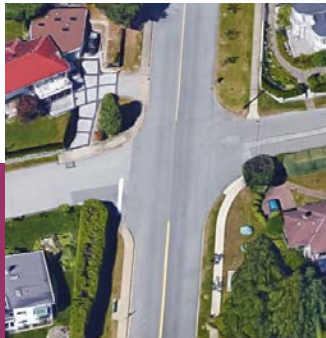
Special Crosswalk  
(~ \$75,000)



Pedestrian Signal  
(~ \$175,000)

Rectangular Rapid Flashing Beacon  
(~ \$15,000)

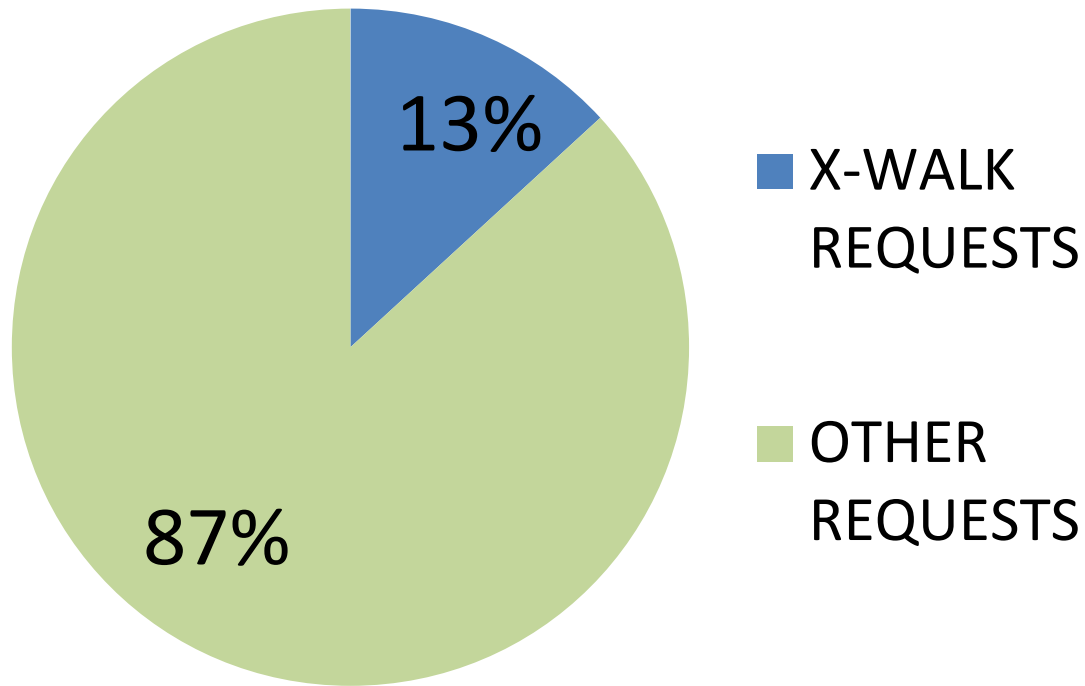
Unmarked Crossing



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# Crosswalk Requests



Average Annual Crosswalk Requests  
(2014 and 2015)

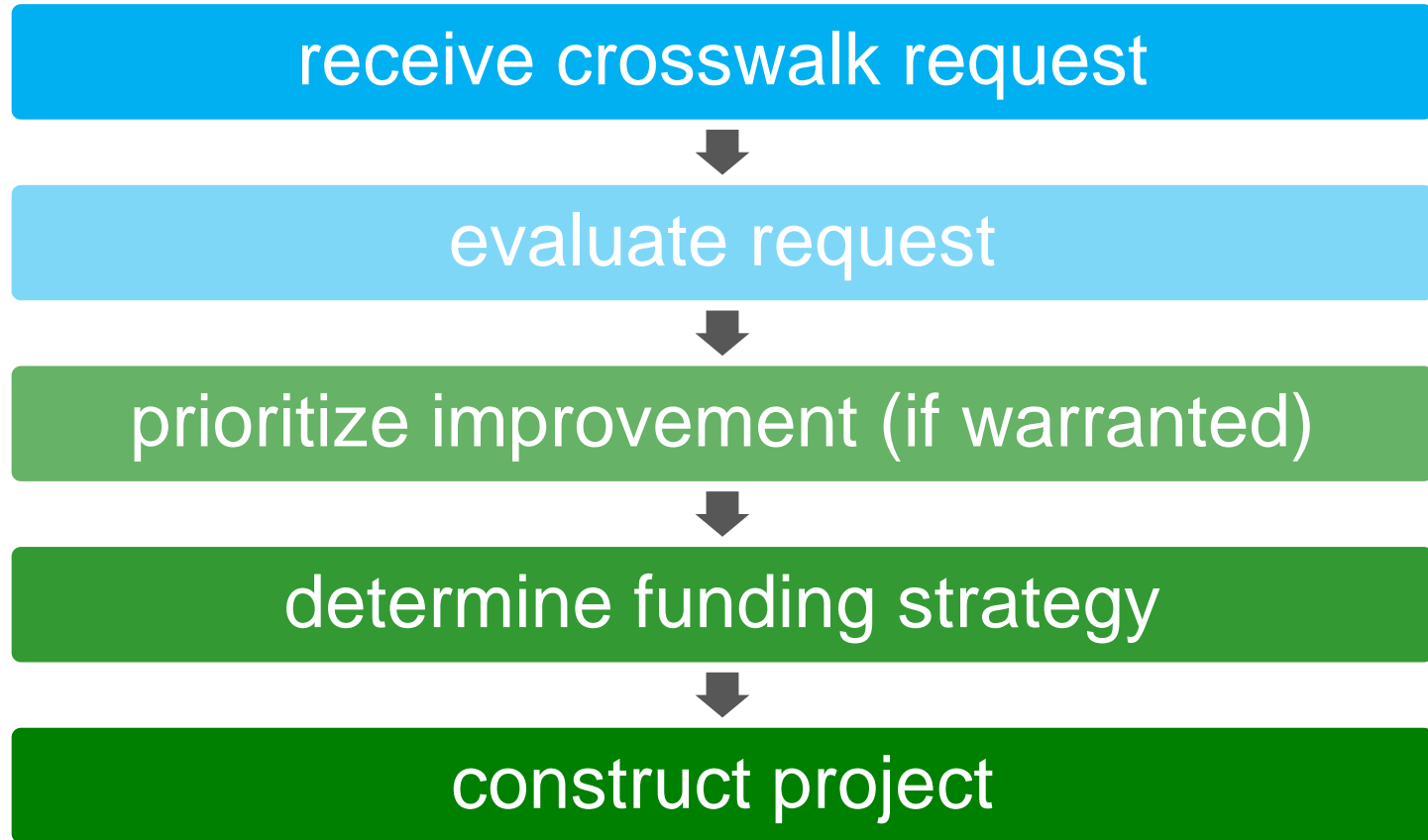
Crossing  
Requests

2014  
31 of 248

2015  
49 of 371



# Crosswalk Improvement Process



# Crosswalk Prioritization Criteria

**PUBLIC  
CONCERNS &  
REQUESTS**

**TRANSIT  
ROUTE**

**STREET  
CONDITIONS**

**PEDESTRIAN  
DEMAND**

**LAND USE  
(schools,  
centres)**



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# Crosswalk Upgrades

Completed  
in 2015

- Montroyal Blvd at Shirley Avenue
- Montroyal Blvd at Cliffridge Avenue
- Kirkstone Road at Rufus Drive (lighting improvement)
- Mount Seymour Parkway at Fairway Drive
- Fairmont Road at Thorncliffe Drive
- E 13<sup>th</sup> Street at Gladstone Avenue

In Progress

- Capilano Road at Paisley Road (estimate completion in spring of 2016)



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# TRAFFIC CALMING



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# Traffic Calming: What is it?

**Definition:** The combination of mainly **physical measures** that reduce the negative effects of vehicle use, alter driver behaviour, and improve conditions for other street users.

## ROAD SAFETY IMPROVEMENTS

Example:  
Improved Crosswalk

## TRAFFIC CALMING

Example:  
Speed Humps

## MEASURES TO DISCOURAGE SPEEDING

Example:  
Speed Reader Board



# Traffic Calming

**EFFECTIVE  
TRAFFIC  
CALMING**

**Beneficial to all users**

**Self-enforcing**

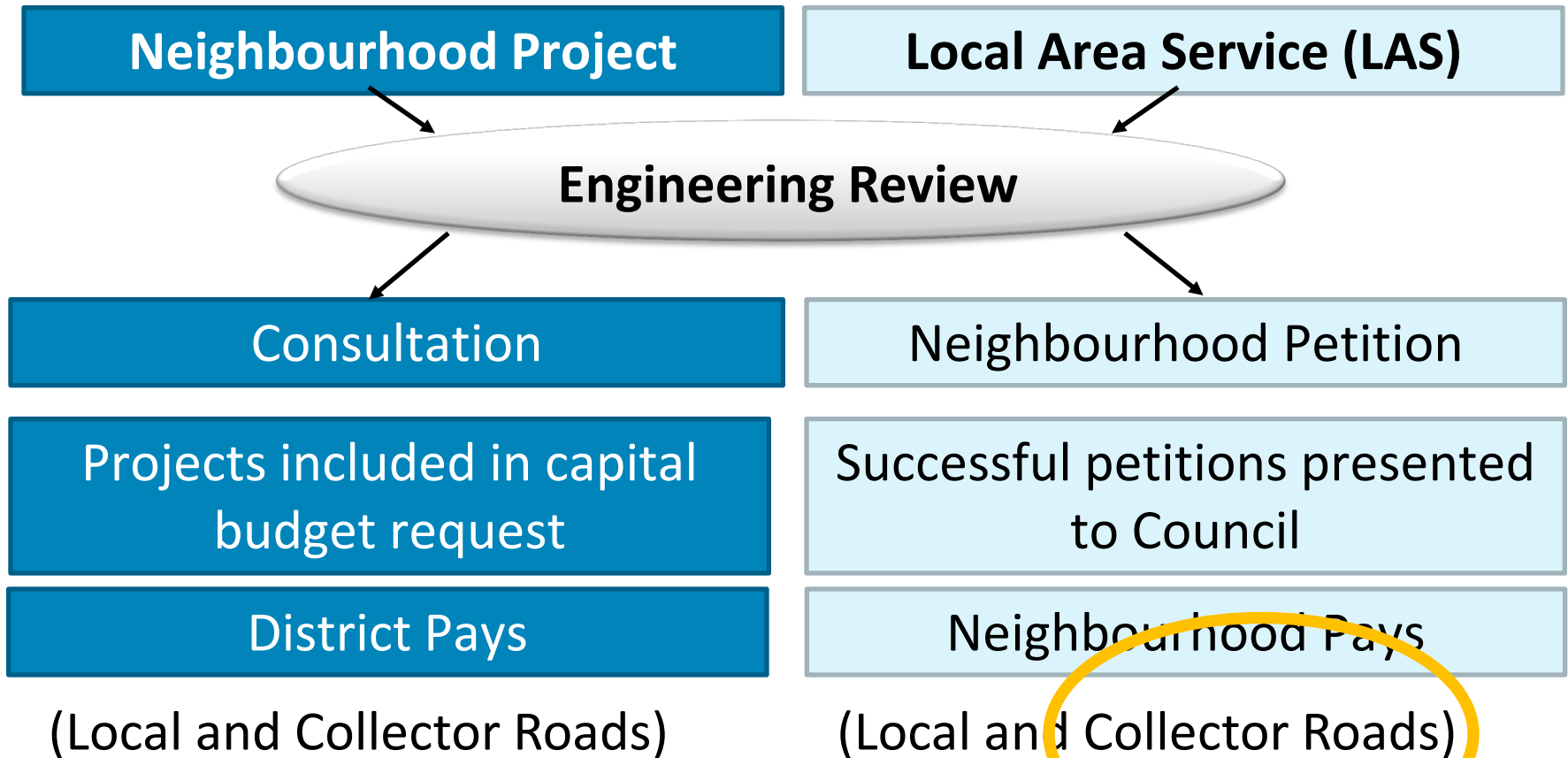
**Appropriate for the  
speeds & volumes**

**Improves  
neighbourhood quality  
of life**



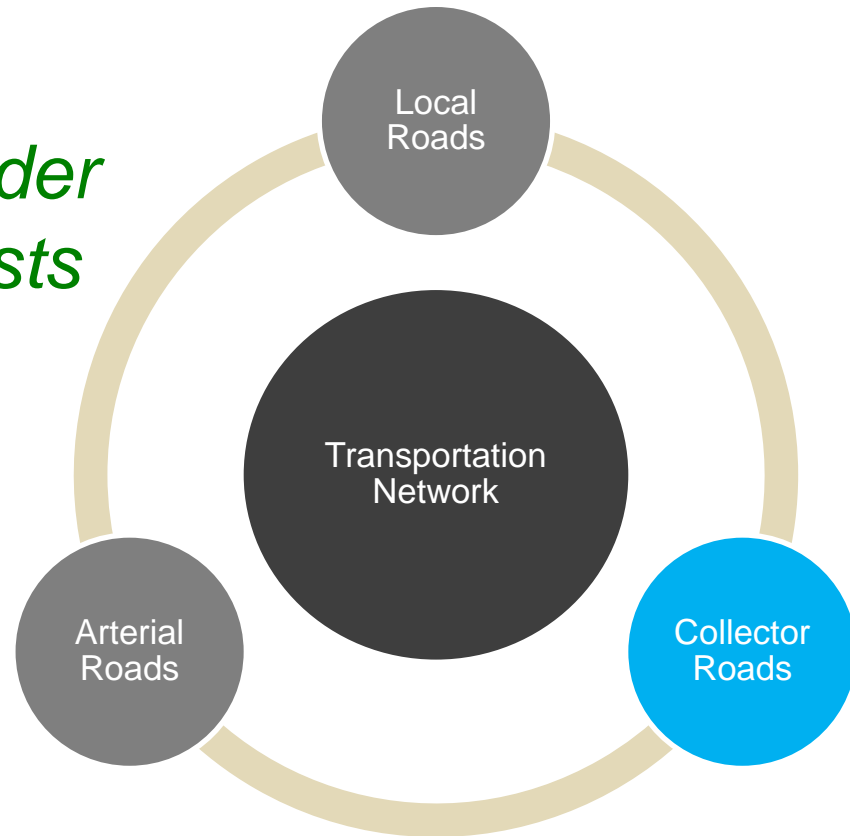
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# Traffic Calming Policy



# Traffic Calming Question #1

*Should District consider traffic calming requests on collector roads?*





# Traffic Calming Question #2

*Should District fund approved traffic calming projects on collector roads through the LAS program?*



# Traffic Calming Question #3

*Is Council in favour of making temporary traffic calming permanent at the intersection of E. 29<sup>th</sup> and Williams Avenue?*



# Traffic Calming



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# FUNDING TRANSPORTATION



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# Capital Funding

## Sustainment

### District Wide

- Tax levy
- Minor grants

**Little or no  
funding gap**

## Investment

### Inside Centres

- Development
- Grants
- Other

**Development  
funded**

### Outside Centres

- Development
- Grants
- Local  
Improvements

**Funding gap**

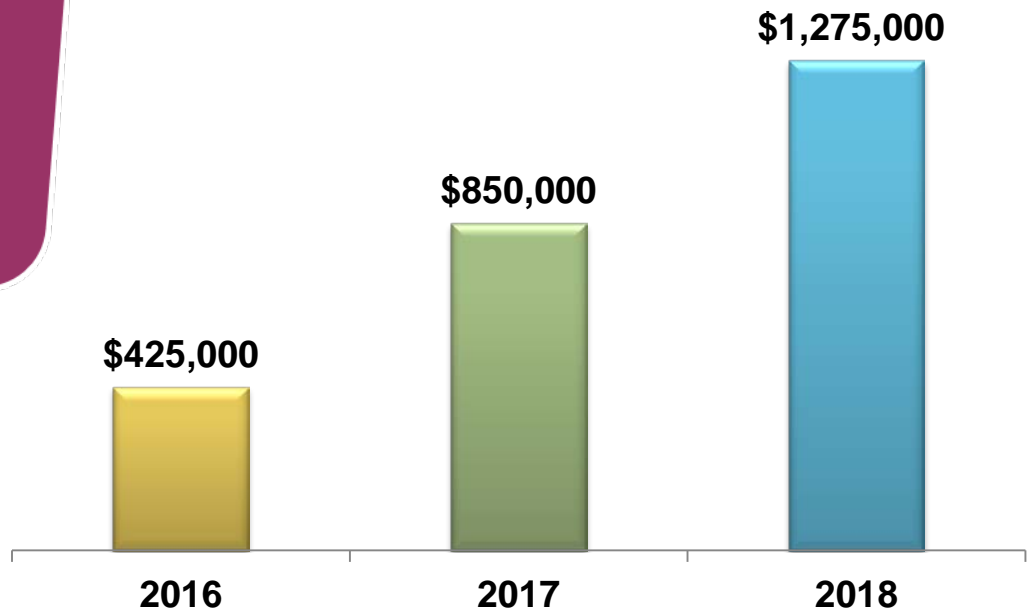




# Possible Source

Funding for small-scale investment projects

Does Council desire to explore establishing on-going funding for projects outside of the centres?



# Active Transportation

Intention for ongoing fund to include:

- Crosswalks
- School Transportation Projects
- Sidewalks
- Minor Cycling projects



# Council Workshops

January						
Wk	Mo	Tu	We	Th	Fr	Sa
53					1	2
1	4	5	6	7	8	9
2	11	12	13	14	15	16
3	18	19	20	21	22	23
4	25	26	27	28	29	30

February						
Wk	Mo	Tu	We	Th	Fr	Sa
5	1	2	3	4	5	6
6	8	9	10	11	12	13
7	15	16	17	18	19	20
8	22	23	24	25	26	27
9	29	30				

March						
Wk	Mo	Tu	We	Th	Fr	Sa
9		1	2	3	4	5
10	7	8	9	10	11	12
11	14	15	16	17	18	19
12	21	22	23	24	25	26
13	28	29	30	31		

April						
Wk	Mo	Tu	We	Th	Fr	Sa
13					1	2
14	4	5	6	7	8	9
15	11	12	13	14	15	16
16	18	19	20	21	22	23
17	25	26	27	28	29	30

May						
Wk	Mo	Tu	We	Th	Fr	Sa
17						1
18	2	3	4	5	6	7
19	9	10	11	12	13	14
20	16	17	18	19	20	21
21	23	24	25	26	27	28
22	30	31				

June						
Wk	Mo	Tu	We	Th	Fr	Sa
23						1
24	6	7	8	9	10	11
25	13	14	15	16	17	18
26	20	21	22	23	24	25
27	27	28	29	30		

July						
Wk	Mo	Tu	We	Th	Fr	Sa
26					1	2
27	4	5	6	7	8	9
28	11	12	13	14	15	16
29	18	19	20	21	22	23
30	25	26	27	28	29	30

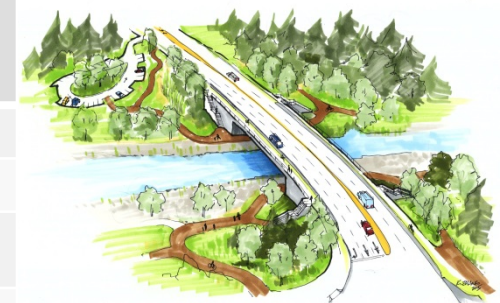
August						
Wk	Mo	Tu	We	Th	Fr	Sa
31	1	2	3	4	5	6
32	8	9	10	11	12	13
33	15	16	17	18	19	20
34	22	23	24	25	26	27
35	29	30	31			

**February 2<sup>nd</sup>, 2016**

Spirit Trail Alignment  
School Traffic and Safety  
Crosswalks  
Traffic Calming

**Upcoming  
Workshop Topics?**

Major Projects  
Highway Interchanges  
North Shore Coordination  
Future of Transportation  
Traffic Modelling  
Traffic Signals



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# Thank you



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