

Welcome to the  
Sutherland Avenue Protected Bike Lanes  
Public Information Session

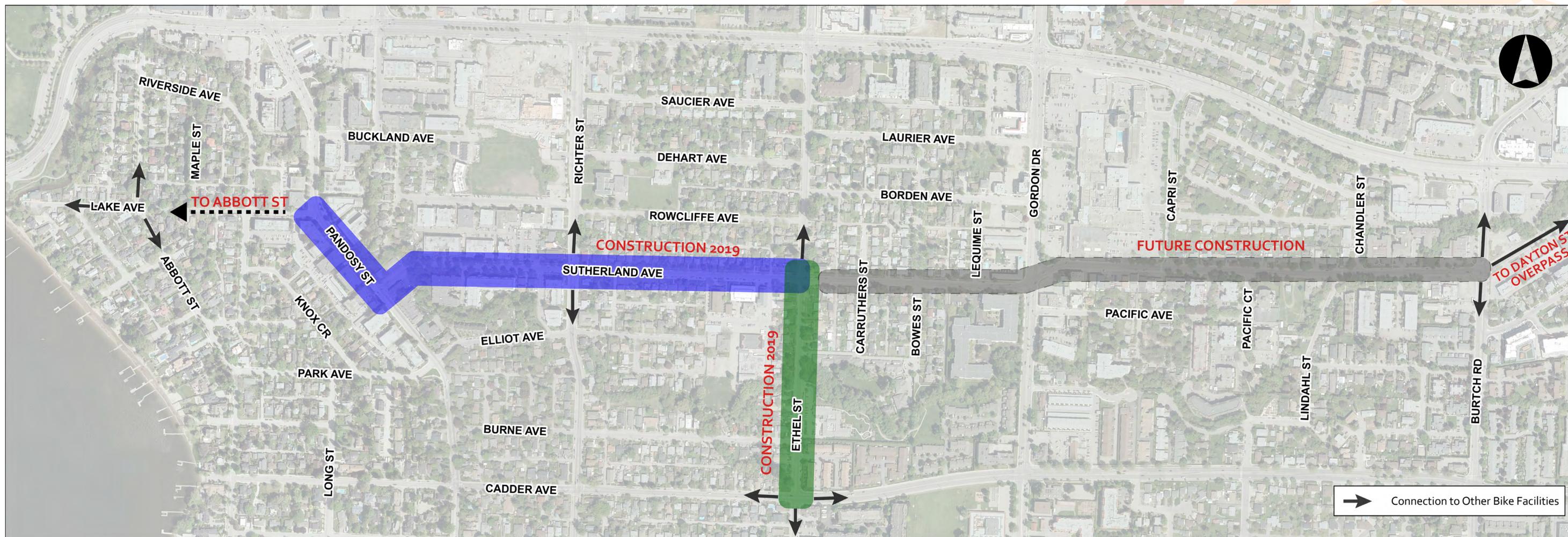
*February 28, 2019 4:00 - 6:30 p.m.  
A.S. Matheson Elementary*



# PROJECT AREA

## Guiding policies:

The 2030 Official Community Plan and 2020 Capital Plan anticipate many new active transportation corridors over the next 5 to 7 years, pending budget and Council approval.



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# BACKGROUND

## Public Engagement - What We Heard

### April 2016:

We asked for your feedback on the Sutherland Avenue Active Transportation Corridor concept design from April to May 2016 and we received 370 survey responses, as well as numerous ideas on social media and at [getinvolved.kelowna.ca](http://getinvolved.kelowna.ca)



83% are generally in favour of protected bike lanes



86% currently use cars along Sutherland Avenue



40% use Sutherland Avenue daily for their trips



69% liked the concept design



67% would be encouraged to walk and bicycle more on this corridor

### May 2018:

Respondents indicated their preference for two designs for the segment of Sutherland Avenue between Pandosy Street and Richter Street:

- **Option 1:** Two-way traffic, parking on south side
- **Option 2:** One-way traffic, parking on both sides

Sutherland Avenue residents indicated their preference for one-way traffic and parking on both sides; versus other area residents preferring the two-way operation.



88% are generally in favour of protected bike lanes on Sutherland



83% are likely to walk / run, or ride a bicycle on Sutherland more often when the project is complete

All respondents:

74%

Option 1

26%

Option 2

Respondents who live on Sutherland between Pandosy & Richter:

23%

Option 1

73%

Option 2

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# OVERVIEW

## Sutherland Avenue:



- Connects with Abbott Street Recreational Corridor, Ethel Street ATC, City Centre, and Capri Landmark.



- A more comfortable east-west bike route than Harvey Avenue and Springfield Road.



- A two-way protected bike lane with physical barrier from adjacent traffic located along the north side of Sutherland Avenue.

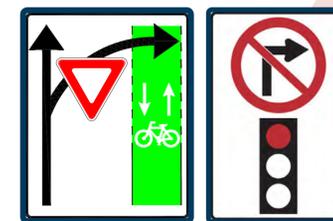


- Retain majority of existing trees, maintain parking on one side, reduce impact to properties and property acquisition, and lower construction costs.

## Highlighted Features:



- Provide safe and separated crossing for people on bicycles and people walking.



- At traffic signal intersections:

- » Right turns restricted on red signal display.
- » Right turn vehicles must yield to bikes in green bike lanes and to pedestrians in crosswalk.
- » East bound left turns can only turn on green arrow.



- Bike turn boxes provide a safe way for people on bikes to stage turns to and from the two-way protected bike lane.



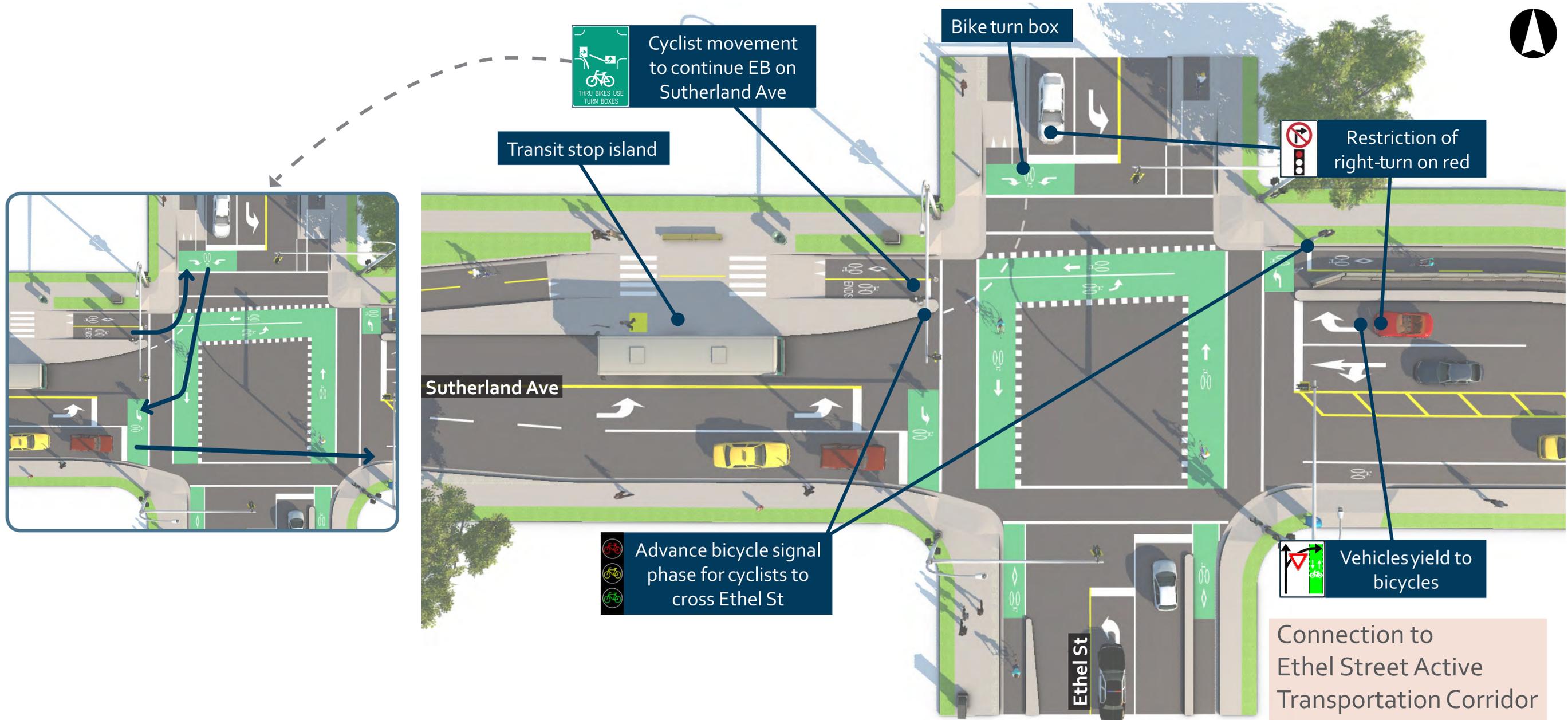
- Multi-use path bridge over Mill Creek.

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# INTERSECTION – SUTHERLAND AVENUE / ETHEL STREET

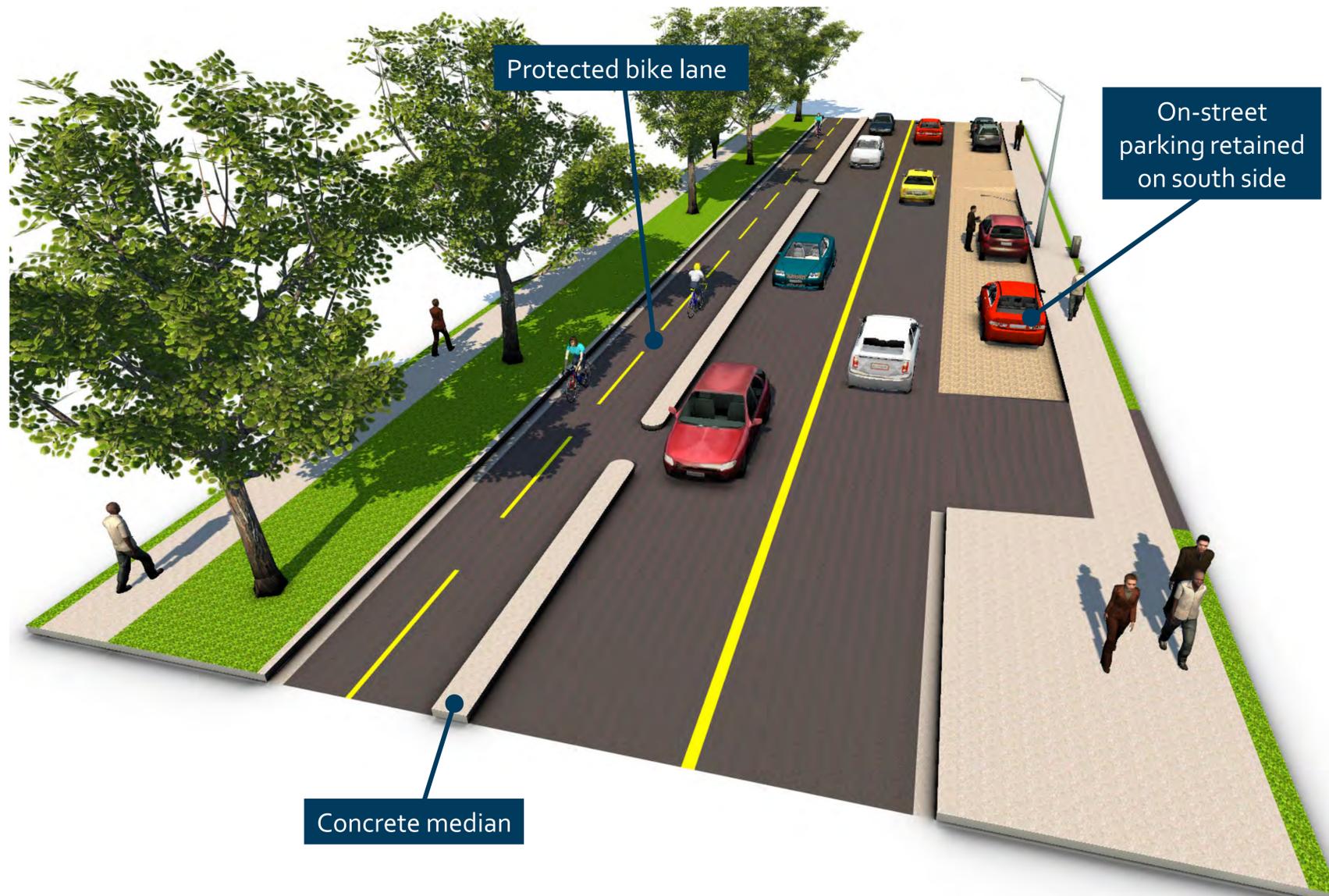


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# STREET SEGMENTS – SUTHERLAND AVENUE

*Ethel Street to Richter Street*



## Reconfiguration of street will provide:

- Protected two-way bike lane on the north side of Sutherland Avenue separated by concrete median.
- On-street parking on south side of Sutherland Avenue.
- Maintain two-way traffic and street trees.
- Improved street lighting for protected bike lanes.
- New sidewalk on the north side.

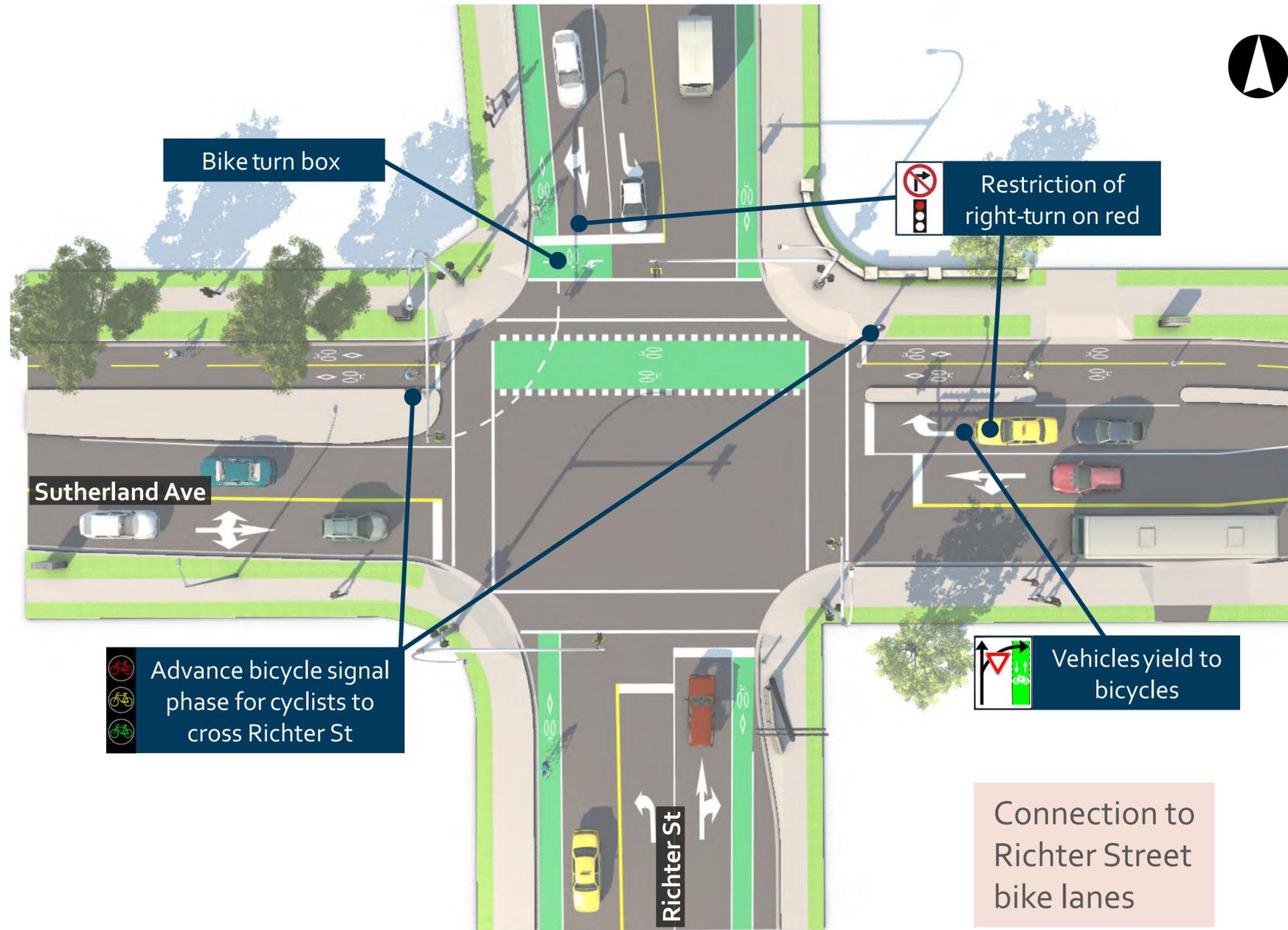
## Access closures:

- Laneway access on the north side of Sutherland Avenue will be closed to reduce conflict points with the proposed bike lanes. Access to the adjacent street network via Rowcliffe Avenue.

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# INTERSECTION – SUTHERLAND AVENUE / RICHTER STREET

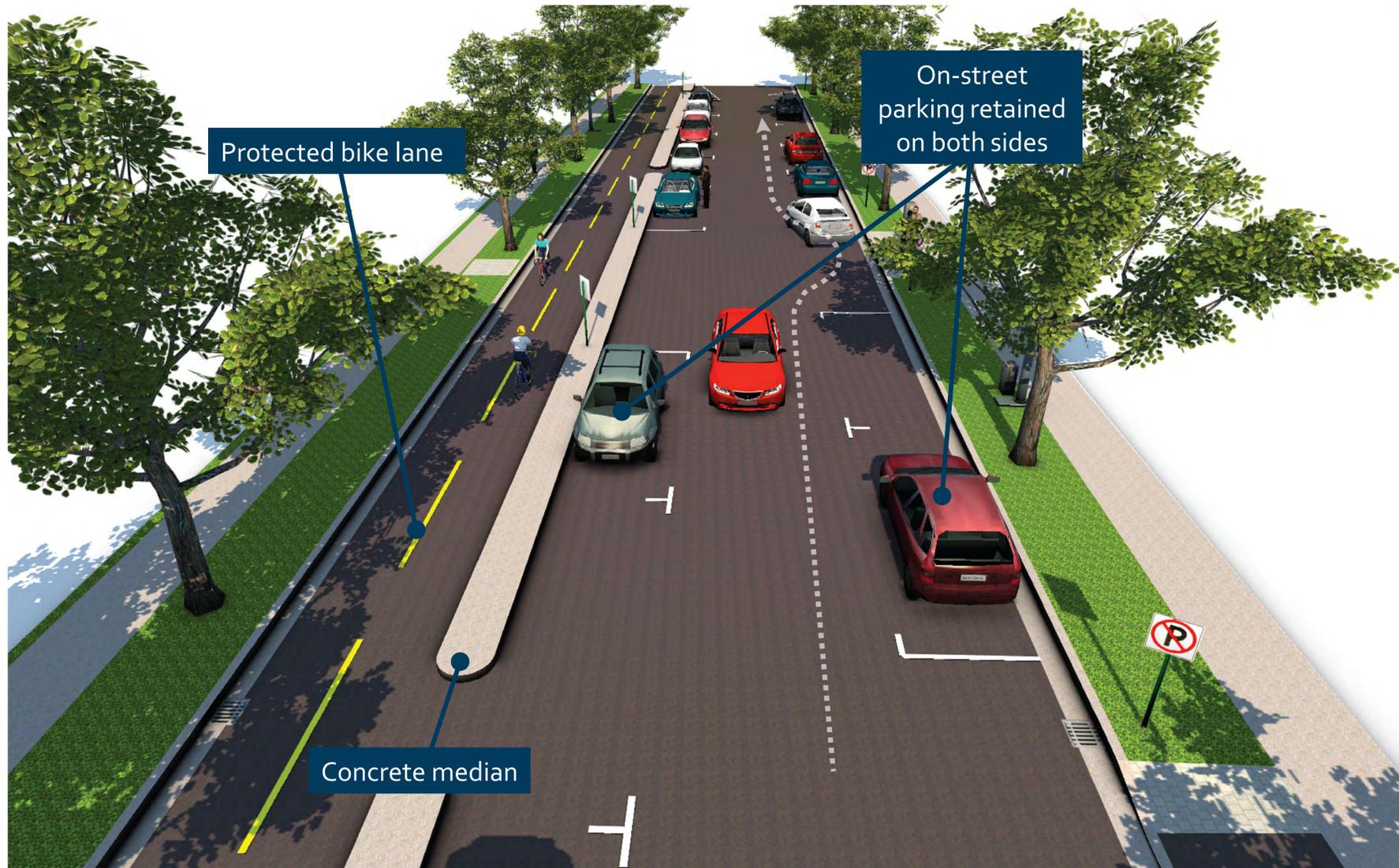


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# STREET SEGMENTS – SUTHERLAND AVENUE

## *Richter Street to Mill Creek Bridge*



Based on Open House feedback, the shared street concept was developed for this segment of Sutherland Avenue to maintain two-way travel and two-sided on-street parking. This is possible as this segment has different characteristics with lower vehicle volumes and neighbourhood street setting.

### **Shared street configuration:**

This segment is therefore proposed as a shared street with only one travel lane. Opposing traffic yields to each other within regularly spaced pull outs. This street configuration is similar to how the Mill Creek Bridge operates today.

### **The shared street will:**

- Allocate space for the protected bikes lanes.
- Maintain two-sided parking.
- Maintain existing street trees.
- Provide breaks in parking for vehicles to alternate two-way travel.

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# INTERSECTION – PANDOSY STREET / SUTHERLAND AVENUE



No left-turn  
between 7AM - 7PM  
Monday - Friday

Protected bicycle  
signal phase to  
connect Pandosy St  
and Sutherland Ave

Cyclists may continue  
South on Pandosy St

Sutherland Ave



Restriction of  
Right-Turn on Red

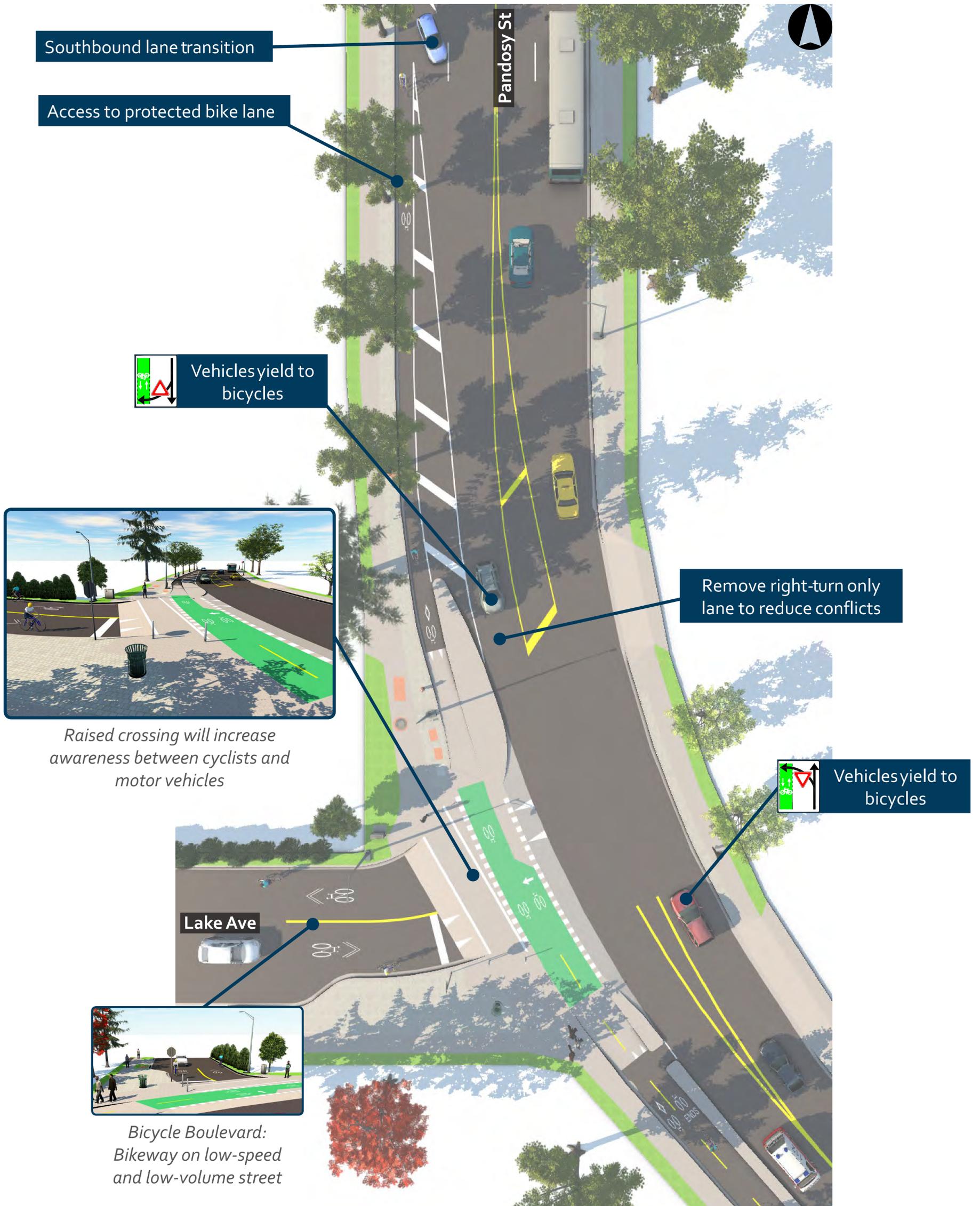
Pandosy St

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# INTERSECTION – LAKE AVENUE / PANDOSY STREET

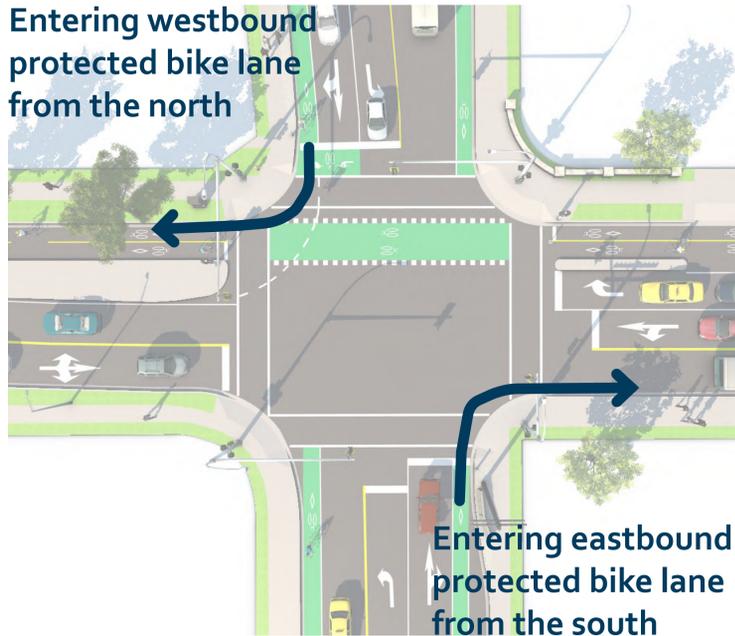


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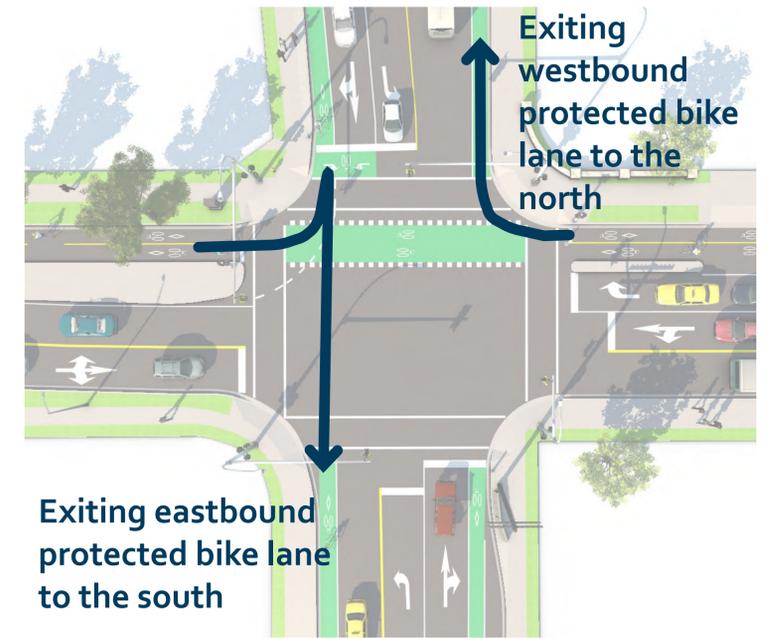
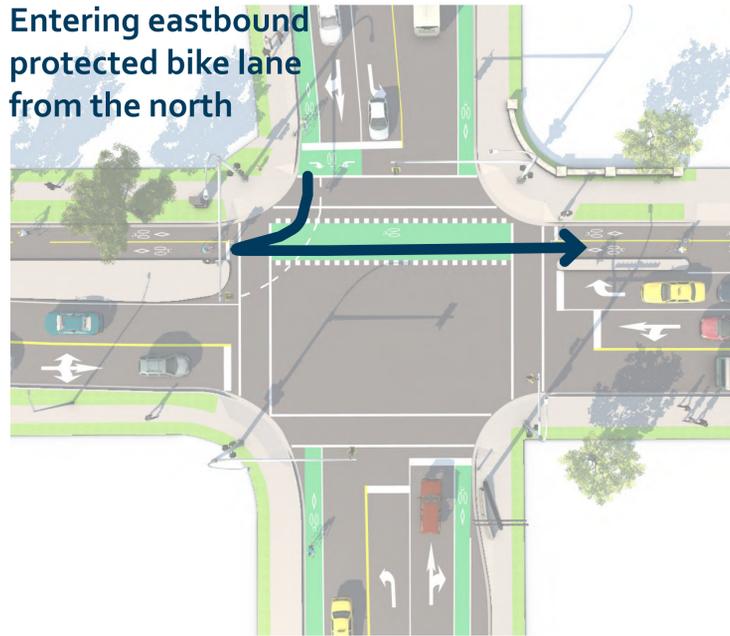
# HOW DO CYCLISTS TURN THROUGH TRAFFIC SIGNALS?

Entering westbound protected bike lane from the north



Entering eastbound protected bike lane from the south

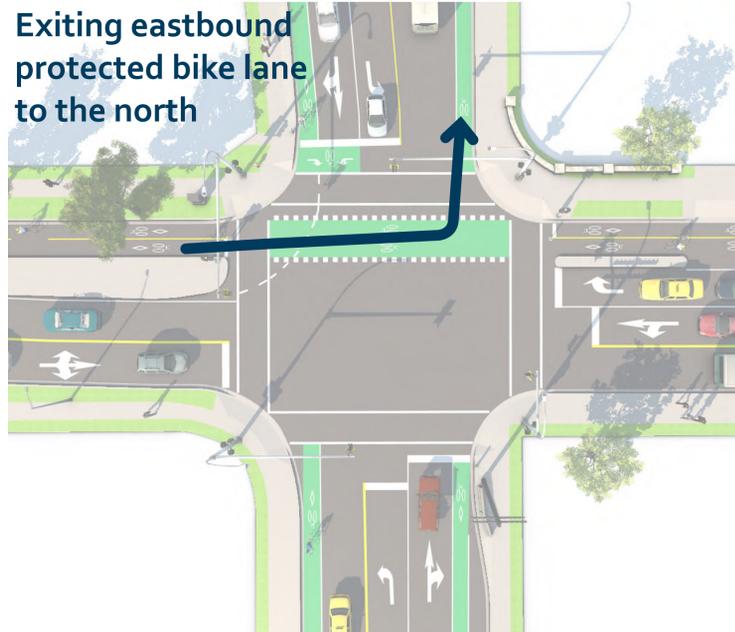
Entering eastbound protected bike lane from the north



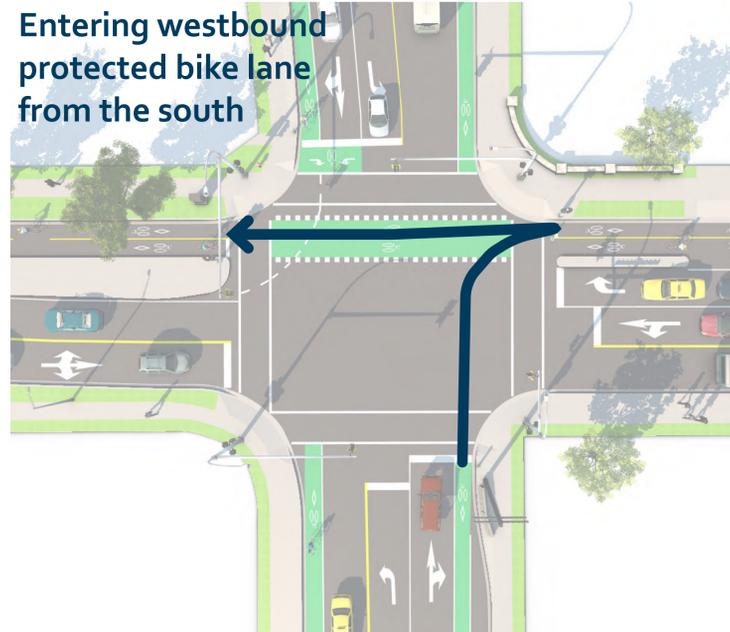
Exiting westbound protected bike lane to the north

Exiting eastbound protected bike lane to the south

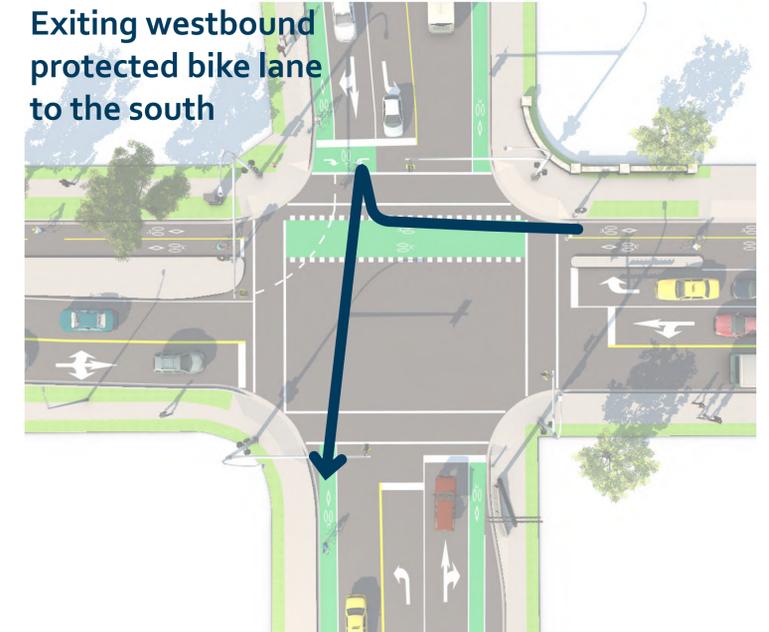
Exiting eastbound protected bike lane to the north



Entering westbound protected bike lane from the south



Exiting westbound protected bike lane to the south

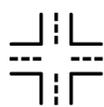


# CONSTRUCTION

## Timeline: March to October 2019

Improvements on Sutherland Avenue and Pandosy Street include a protected two-way bike lane along the west side of Pandosy Street, from Lake Avenue to Sutherland Avenue, and along the north side of Sutherland Avenue, from Pandosy Street to Ethel Street.

### Associated work:



- Intersection modifications at Pandosy / Sutherland, Sutherland / Richter and Sutherland / Ethel, to facilitate the new protected bike lane crossings and respective traffic / cyclist / pedestrian signals and timing.



- Raised crosswalk at the intersection of Lake Avenue and Pandosy Street.



- Modifications to the traffic lanes and parking to facilitate the two-way protected bike lane.



- New multi-use pathway bridge crossing at Mill Creek.

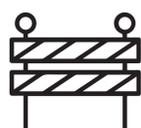


- Shared two-way alternating traffic on Sutherland Avenue between Richter Street and Mill Creek.



- Additional street lighting along Sutherland Avenue separated bike lanes.

### Utility upgrades:



- Deep utility replacement (water main, sanitary and storm sewer) with services to properties. Sutherland Avenue closed between Ethel Street to Richter Street (local traffic only March – June).

- » Access to be maintained for St. Joseph School, Clubhouse Daycare, Immaculate Conception Church, and local residents.
- » Intermittent water and sanitary services interruptions during water, sanitary main sidewalk replacements and paving operations.



- Driveway access restricted during certain utility work, replacement of parking gravels (south side), sidewalk replacements (north side) / curing and paving operations (new curb and gutter on the north side).

Stay updated!

**In person**

Please do not hesitate to contact us.

**Online**

Visit [kelowna.ca/cityprojects](http://kelowna.ca/cityprojects)

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