

SE 34th Street Safety and Mobility Project

VANCOUVER
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Transportation and Mobility Commission

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Presentation Overview

- Project Overview
- Design Considerations
- What We've Learned
- Community Engagement
- Next Steps

Project Overview



SE 34th Street will have a microsurfacing treatment in 2023 from SE 164th Avenue to SE 196th Avenue. The pavement project will provide an opportunity to evaluate potential changes to the street to improve safety, mobility, and accessibility.



Project Scope

1. Complete a traffic analysis along the corridor
2. Develop and implement a comprehensive public outreach process
3. Develop potential design alternatives and potential improvements



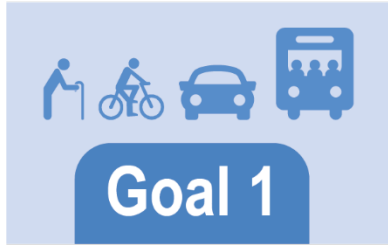
Complete Streets Goal

Complete a public outreach and design alternative process will improve safety, mobility, and equity on the SE 34th Street corridor in preparation for the 2023 pavement project

Project Overview



Project Overview



Improve comfort and mobility for all users



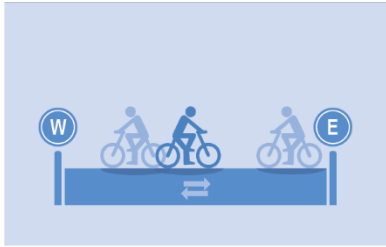
Prioritize safety for all users



Facilitate near-term implementation

Design Considerations

To improve comfort and mobility for all users, improvements could..



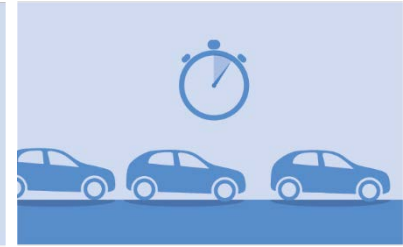
Create an east-west connection for people biking, rolling and using mobility devices



Improve access to existing transit service



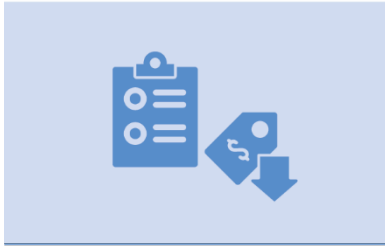
Add aesthetic amenities



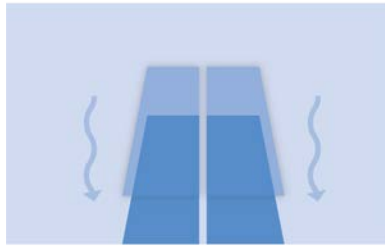
Not substantially add to driver delays

Design Considerations

To facilitate near-term implementation, improvements could...



Leverage low-cost solutions



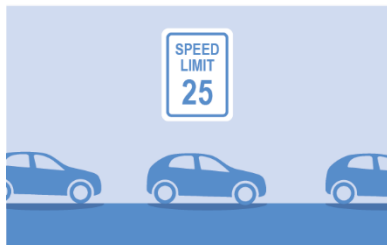
Be implemented with the planned overlay



Be eligible for outside funding

Design Considerations

To prioritize safety for all users, improvements could...



Use traffic calming to lower speeds



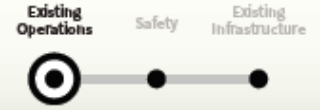
Improve locations with high number of crashes or conflict points



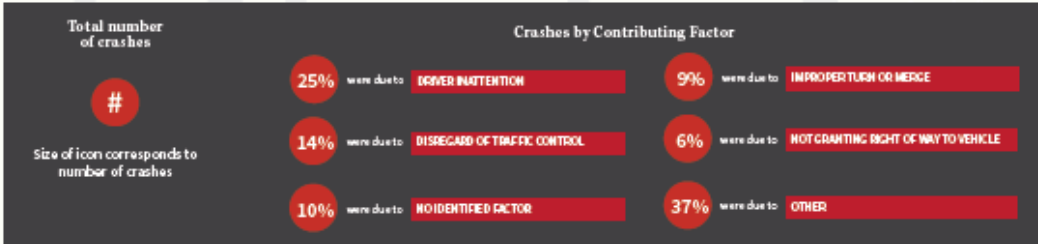
Support safe pedestrian crossings near key destinations

What We Have Learned

SE 34th Street Existing Operations



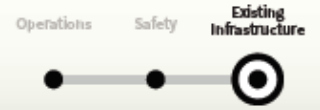
SE 34th Street Safety



Fatal crashes: none
Between 2014 and 2020, 86 crashes occurred on the corridor.

Source: WSDOT (2014-2020)

SE 34th Street Existing Infrastructure



SE 34th Street

Existing with Lane Reduction

With Lane Reduction

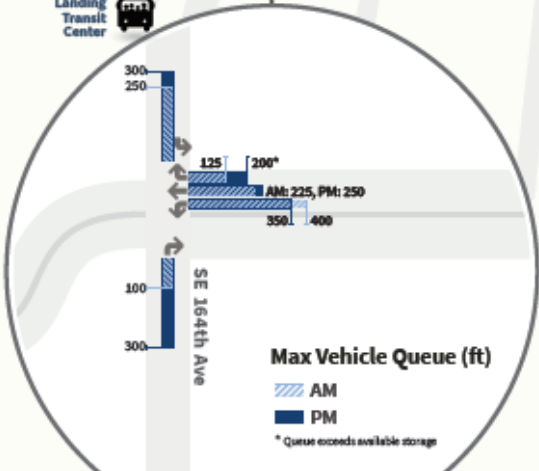


What We Have Learned

SE 34th Street 2027 with Lane Reduction

With Lane Reduction

Existing 2027 2040



Level of Service

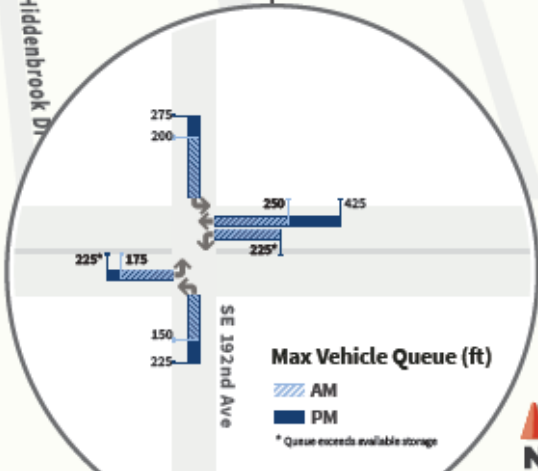
AM: A-C, PM: D-F

Stop Control

- Signalized intersection
- Side-street stop sign

Corridor Travel Time

Direction	AM	PM
Westbound	4 min, 52 sec	5 min, 14 sec
Eastbound	5 min, 12 sec	5 min, 15 sec



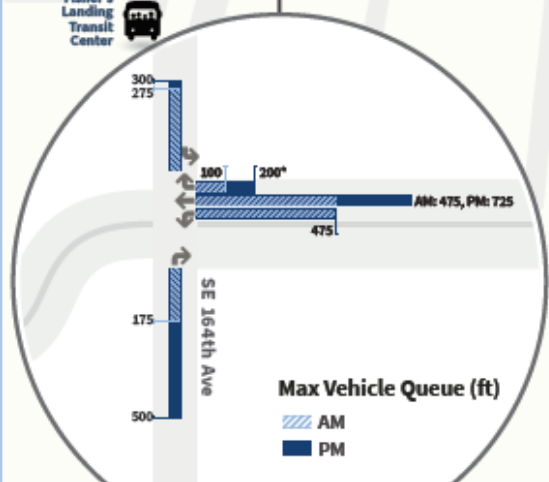
What We Have Learned

SE 34th Street

2040 with Lane Reduction

With Lane Reduction

Existing 2027 2040



Level of Service

AM: [Signalized] PM: [Signalized]

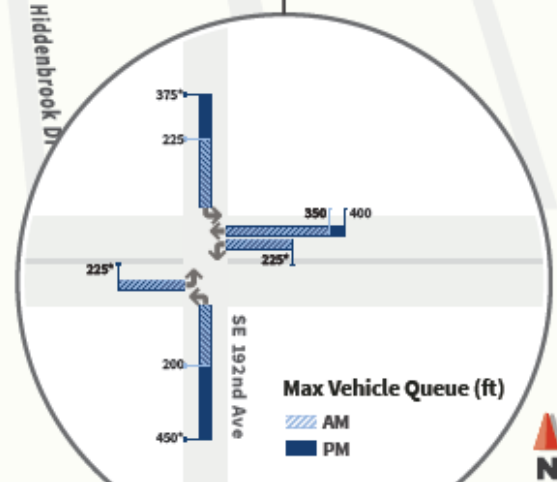
● A-C ● D
● E ● F

Stop Control

● Signalized intersection
● Side-street stop sign

Corridor Travel Time

Direction	AM	PM
Westbound	5 min, 0 sec	5 min, 29 sec
Eastbound	5 min, 20 sec	7 min, 8 sec



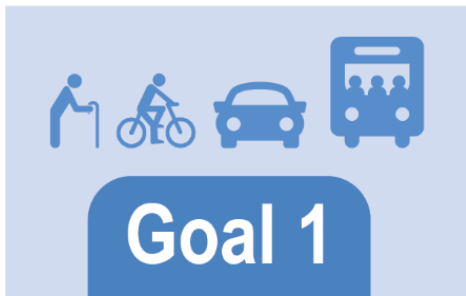
Design Considerations



What We've Learned

- Can we achieve the project goals by repurposing a travel lane to add facilities for people biking?
- What will be the trade-offs for people driving?
- Where do we need to provide additional safety improvements or consider other design options?

What We've Learned



Improve comfort
and mobility for all
users



- ✓ Creates a new east-west connection for people biking
- ✓ Improves access to transit for people biking
- ✓ Does not substantially add to driver delays in the near-term and mid-term
- ✗ Long-term (2040) travel time may increase by two minutes with expected growth
- ✗ Will need to consider the character of the corridor when identifying near-term solutions

What We've Learned



Goal 2

Prioritize safety
for all users

- ✓ Fewer travel lanes make intersections easier to navigate for people walking and biking
- ✓ Improves contributing factors to crashes involving someone walking or biking
- ✓ Enhance existing crossings and connect key destinations
- ✗ Long term, queueing at SE 164th and SE 192nd Avenues may need to be addressed to maintain safety at those intersections

What We've Learned



Goal 3

Facilitate near-term implementation

- ✓ Restriping could occur with the microsurfacing
- ✓ No large capital investments would be required in the near to mid-term
- ✓ Safety improvements would be eligible for grant funding
- ✗ More intensive capital treatments may be required at SE 164th and SE 192nd Avenues to address congestion expected by 2040

Community Engagement

Touchpoint #1

Timeline:

April 2022

Event:

BeHeard Online Open House

Goal:

Share project overview and identify potential safety issues

Outcome:

Understand community concerns

Community Engagement

Touchpoint #2

Timeline:

June 2022

Event:

BeHeard Online Open House, School Intercept Surveys & Stakeholder Listening Sessions

Goal:

Share analytical findings and design options being considered

Outcome:

Understand community concerns and determine additional needs



Community Engagement

Touchpoint #3

Timeline:

August 2022

Event:

BeHeard Online Open House

Goal:

Share preferred alternative and identify any remaining safety concerns

Outcome:

Understand community concerns and determine additional needs to be incorporated in final design

Next Steps

- April through June 2022 – Gather Community Feedback & Refine Design Concepts
- June through August 2022 – Develop Project Design & Gather Community Feedback
- September 2022– Safety & Mobility Study Concludes
- Summer 2023 – Pavement Microsurfacing Treatment
- Summer 2023 through summer 2024 – Implementation of other capital improvements
- Ongoing throughout project: communication and information sharing with community and project stakeholders

Questions and Discussion

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<https://www.cityofvancouver.us/se-34th-street-safety-and-mobility-project>