



# VAN DUZER STREET CORRIDOR TRANSPORTATION IMPROVEMENTS

Presentation to Van Duzer Street Area Civic Association

June 7<sup>th</sup>, 2016



# Project Overview

Improve transportation conditions for all users along the Van Duzer Street Corridor by:

- Discouraging Speeding
- Improving Intersections
- Adding Crosswalks
- Adding Bicycle Lanes



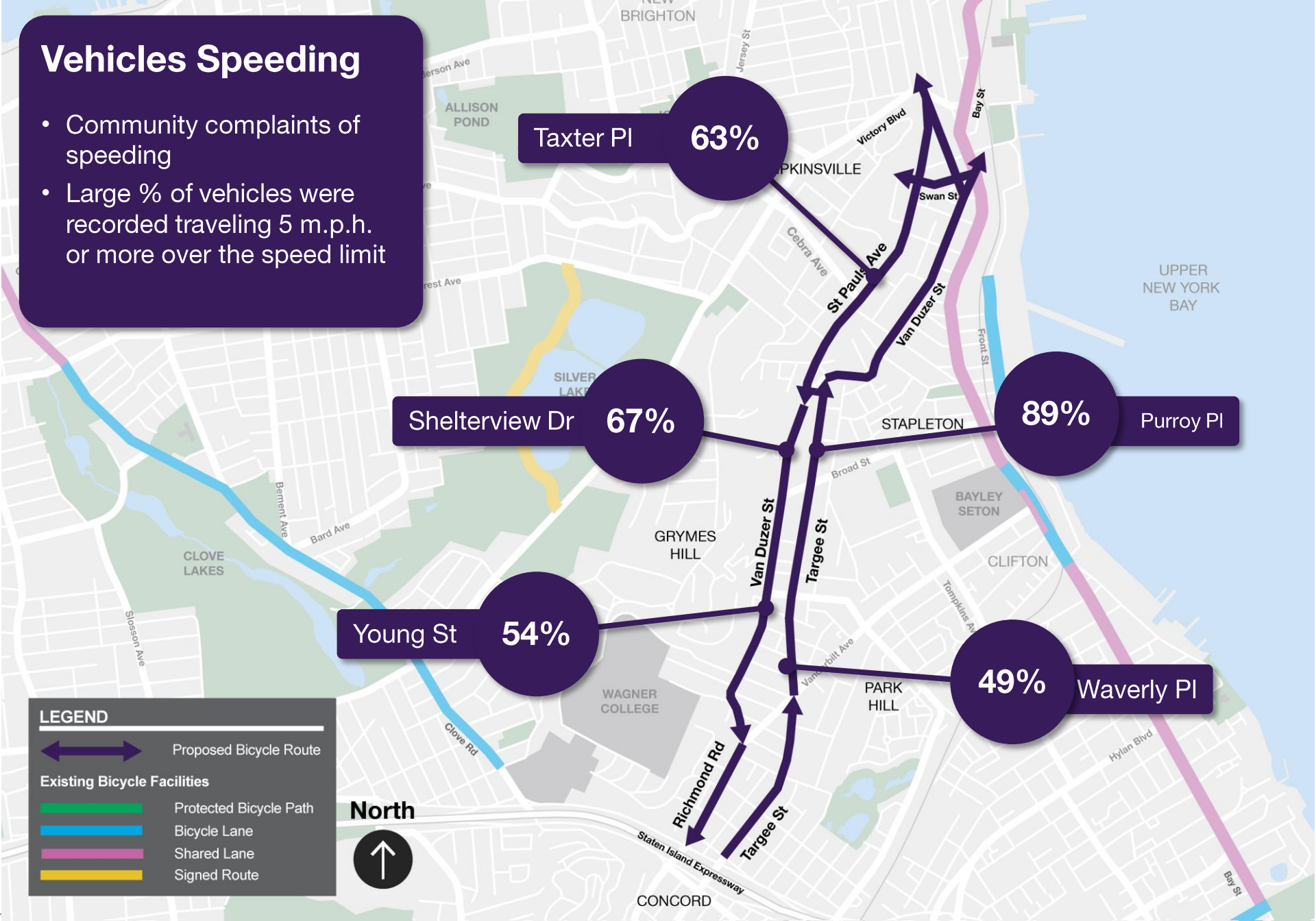


Reduce Speeding

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# Vehicles Speeding

- Community complaints of speeding
- Large % of vehicles were recorded traveling 5 m.p.h. or more over the speed limit



## LEGEND

Proposed Bicycle Route

### Existing Bicycle Facilities

- Protected Bicycle Path
- Bicycle Lane
- Shared Lane
- Signed Route



# Existing Conditions

## Wide Travel Lanes

*Contributes to speeding*

## Wide Travel Lanes with Channelization

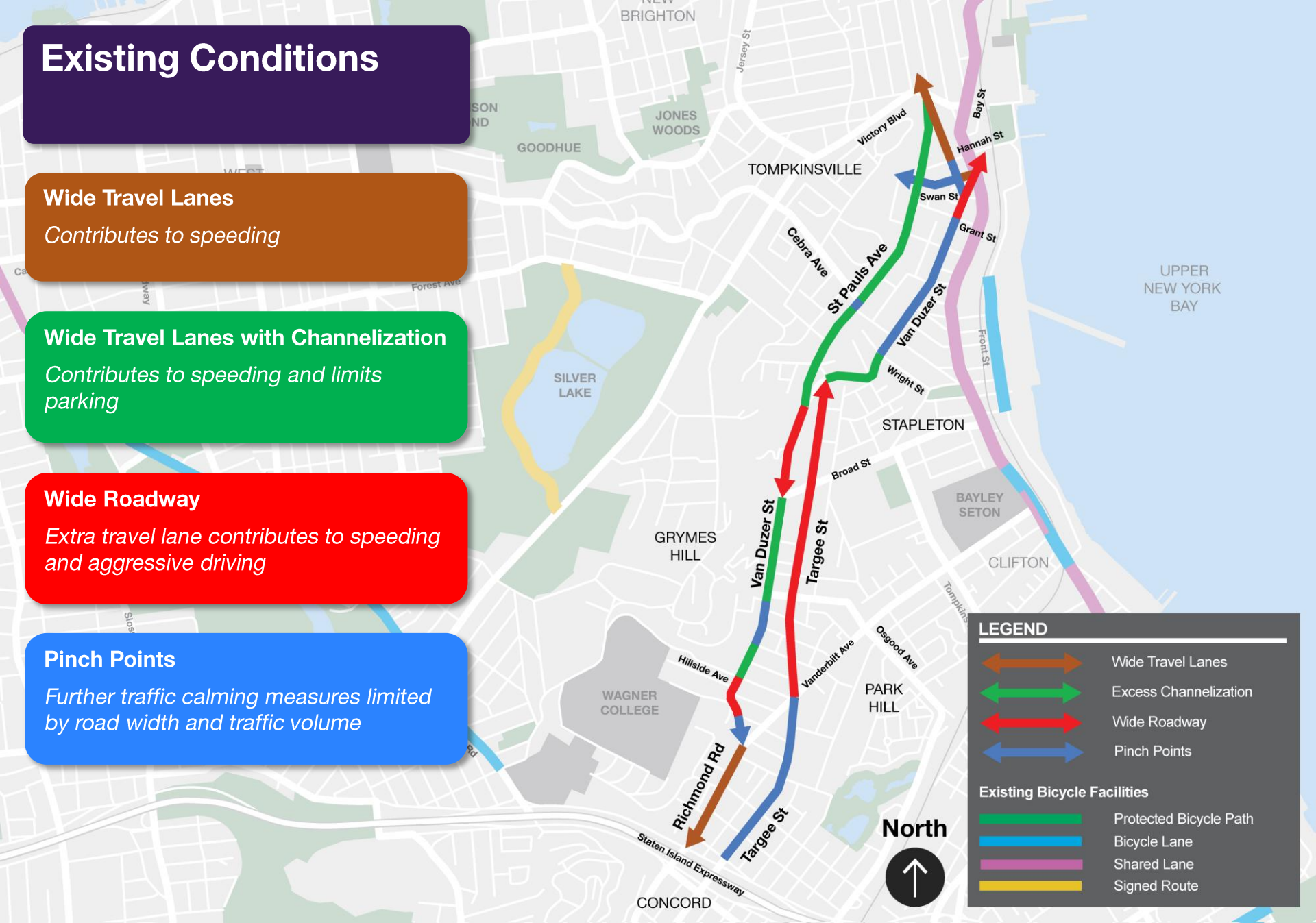
*Contributes to speeding and limits parking*

## Wide Roadway

*Extra travel lane contributes to speeding and aggressive driving*

## Pinch Points

*Further traffic calming measures limited by road width and traffic volume*



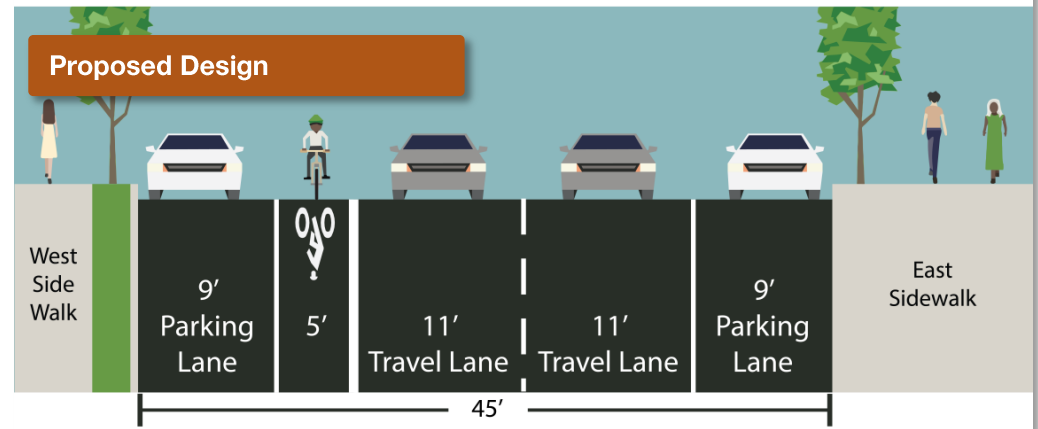
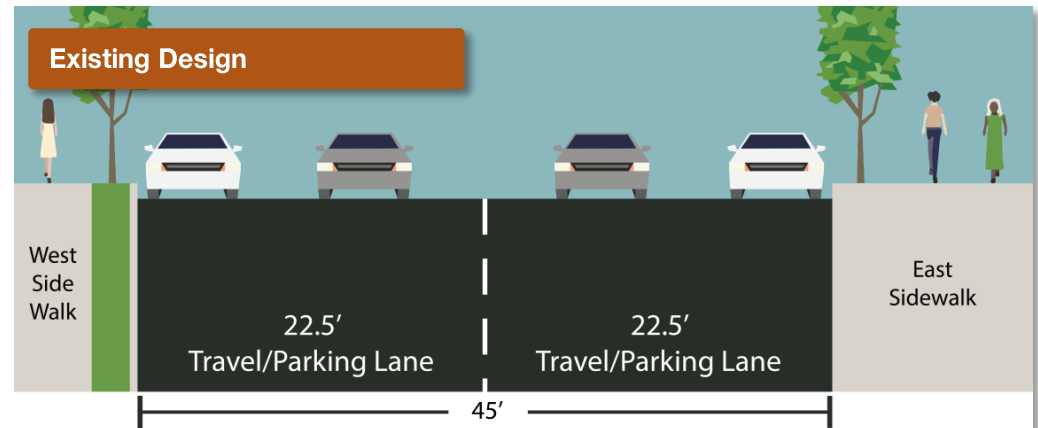


## Wide Travel Lanes

### Example:

Richmond Rd (Van Duzer St to Narrows Rd N)

- Standard width travel lanes discourage speeding
- Provide space for bicycle lane



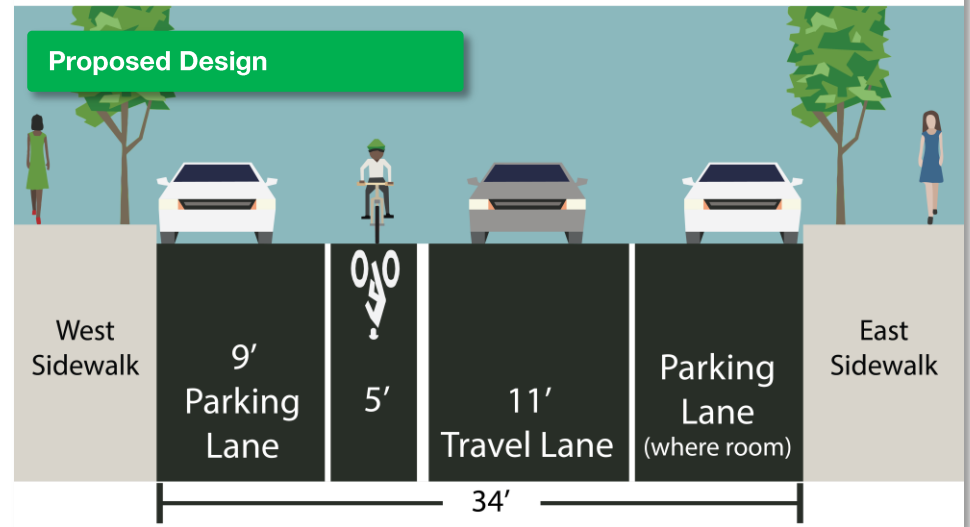
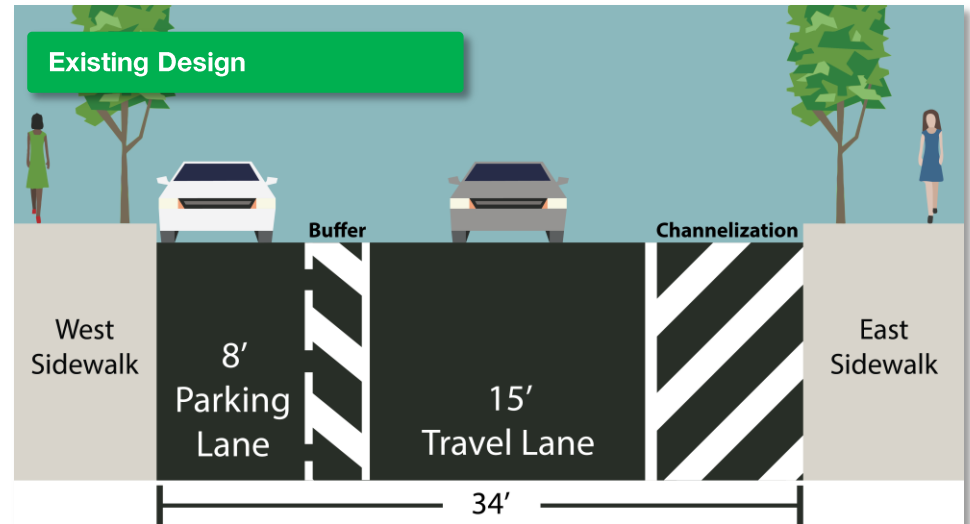


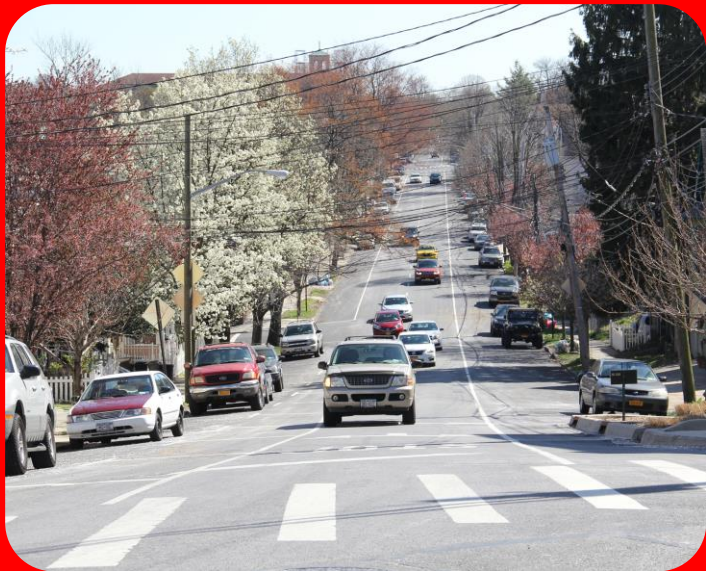
## Wide Travel Lanes with Channelized Roadway

### Example:

Van Duzer St (Broad St to Hillside Ave)

- Standard width travel lanes discourage speeding
- Room for additional parking and bicycle lanes in existing channelization



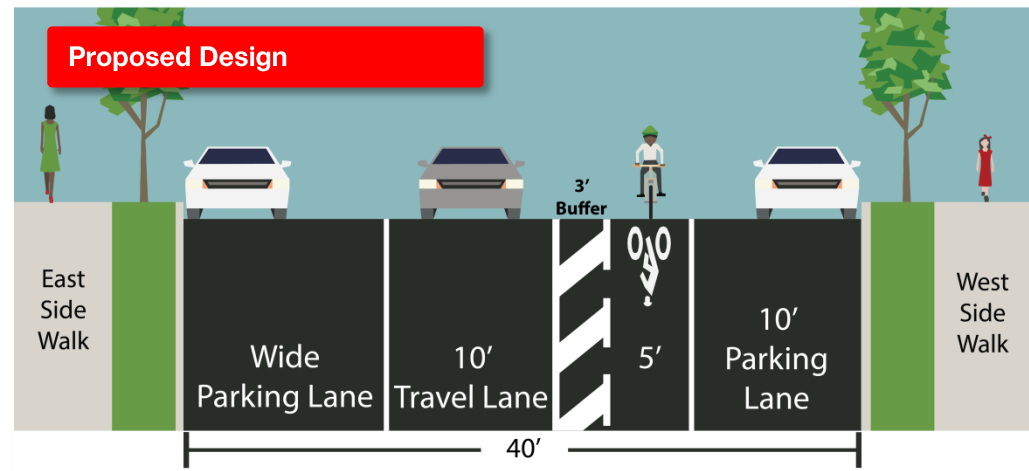
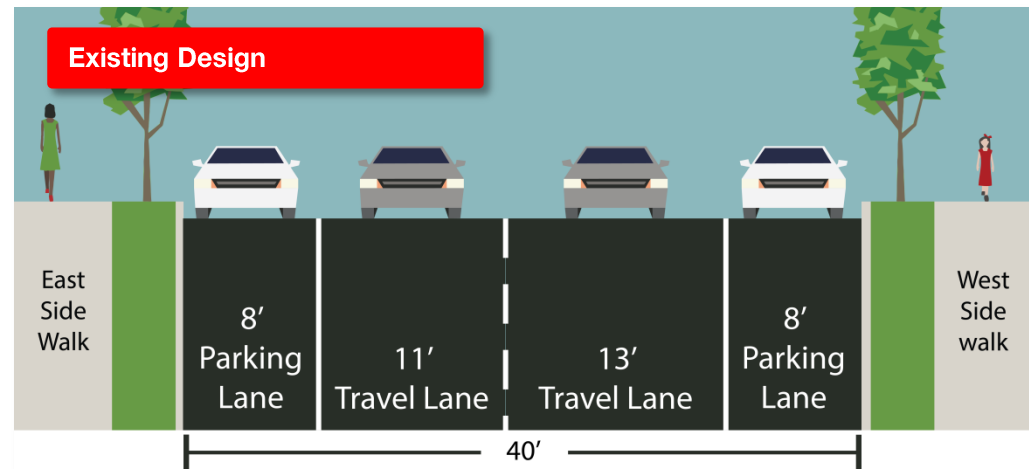


## Wide Road

### Example:

Targee St (Vanderbilt Ave to Van Duzer St)

- Replace extra travel lane with bicycle lanes and additional parking to calm traffic
- Add right-turn bay at Targee St and Broad St





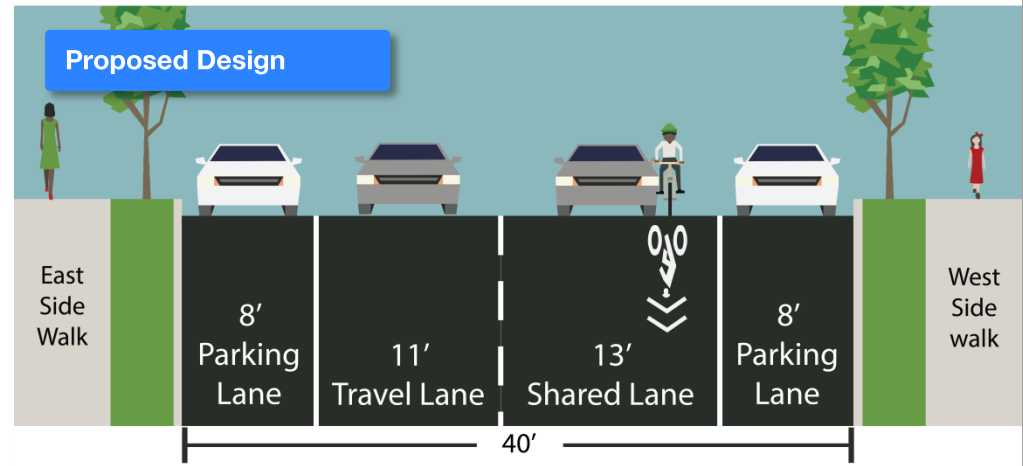
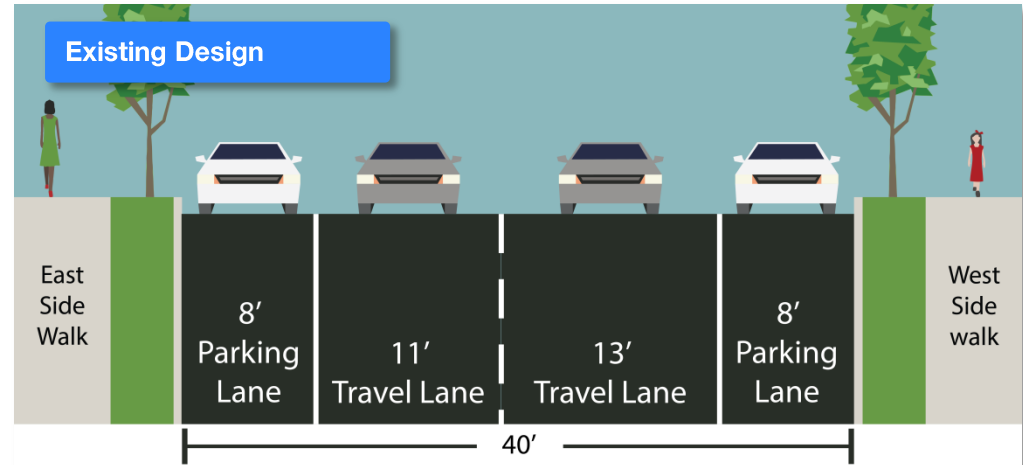


## Pinch Point

### Example:

Targee St (Narrows Rd N to Vanderbilt Ave)

- Connect bicycle network
- Alert motorists to presence of cyclists
- Align cyclists in road





Improve Intersections

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# Intersection Improvements

Improve traffic alignment, add crosswalks, and other improvements

## St Pauls Ave & Van Duzer St

Sidewalk ends without crossing option

## St Pauls Ave & Grant St

Lack of pedestrian crossing by school

## St Pauls Ave & Van Duzer St

Frequent community complaints

## Richmond Rd & Narrows Rd N

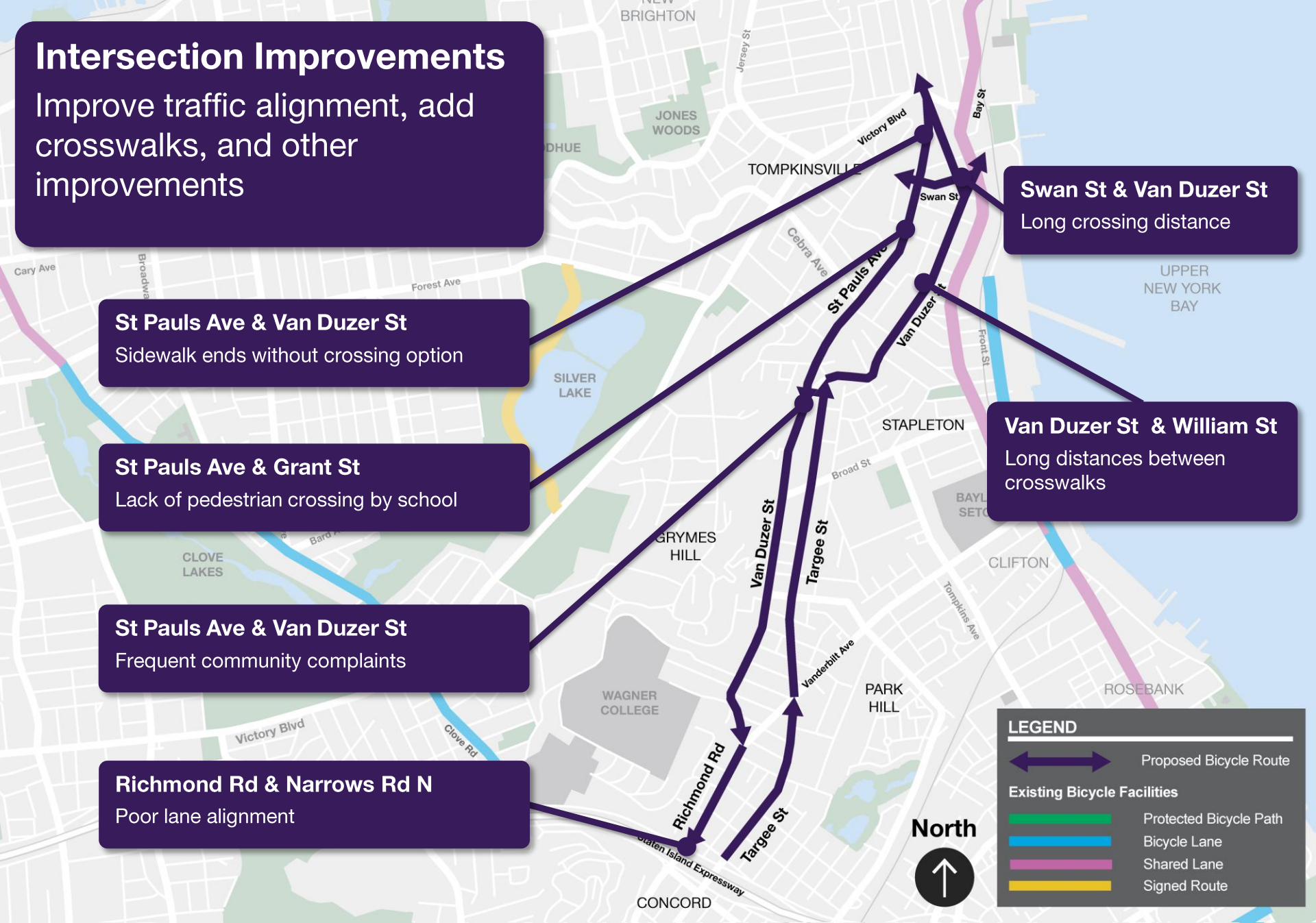
Poor lane alignment

## Swan St & Van Duzer St

Long crossing distance

## Van Duzer St & William St

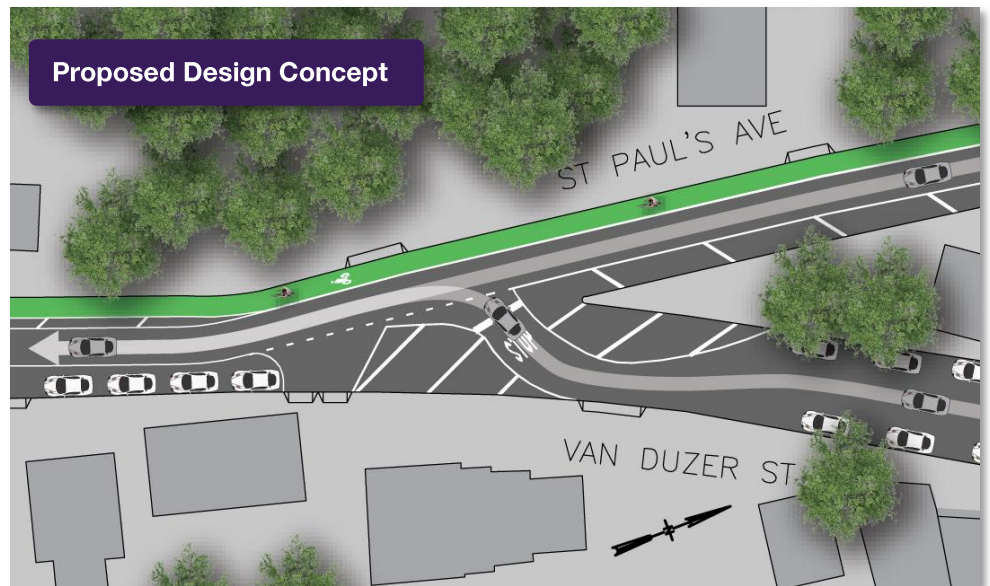
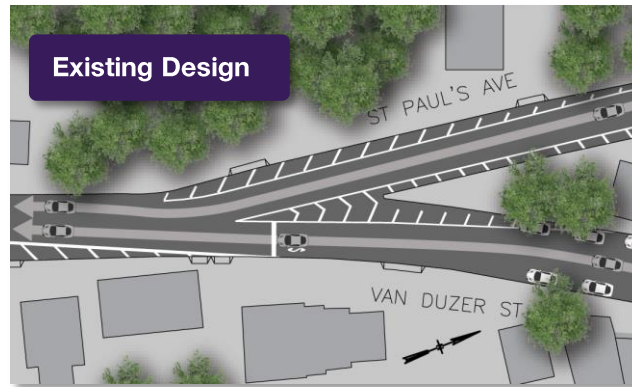
Long distances between crosswalks





## St Pauls Ave & Van Duzer St Normalize intersection

- Intersection cause of frequent complaints
- Poor visibility due to angle of intersection
- Some drivers confused by traffic sign placement
- Loss of parking for merge
- High vehicle speeds



### Improve Visibility

*Reorient intersection improves visibility and adds parking*

### Standard Travel Lane Widths

*Discourage speeding with standard travel lane widths*

### Clear Up Traffic Signs

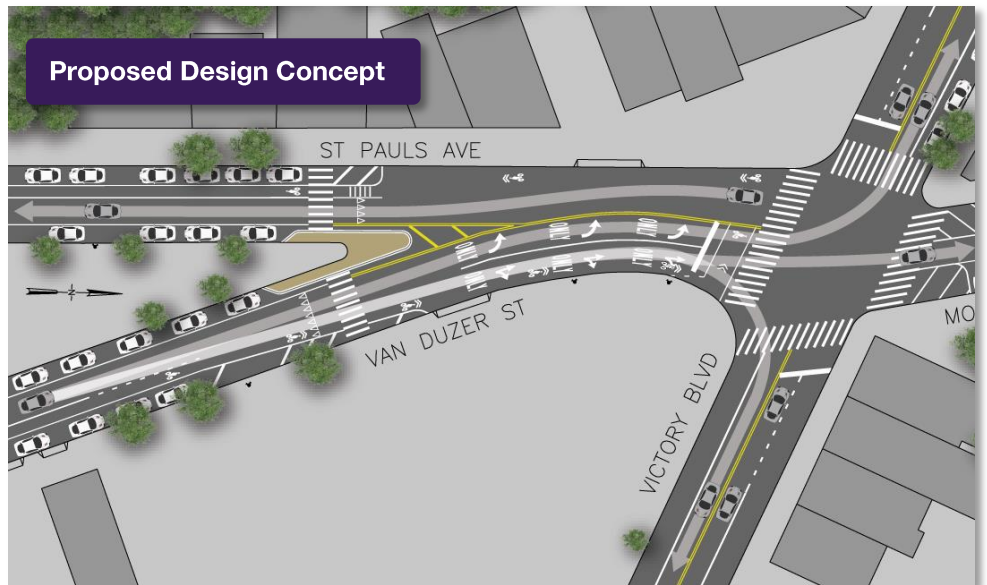
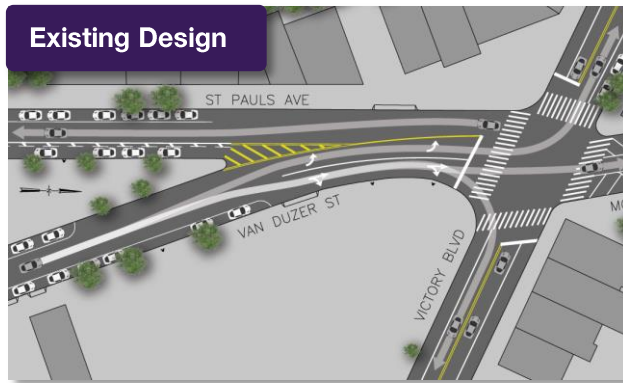
*Allows for better placement of signs*





## St Pauls Ave & Van Duzer St Add Enhanced Crossing

- Sidewalk ends without pedestrian crossings
- Pedestrians need to cross to access shops and bus stops
- Nearest crossing 750' away



**Add Crosswalks**  
Adds crosswalks where sidewalks end

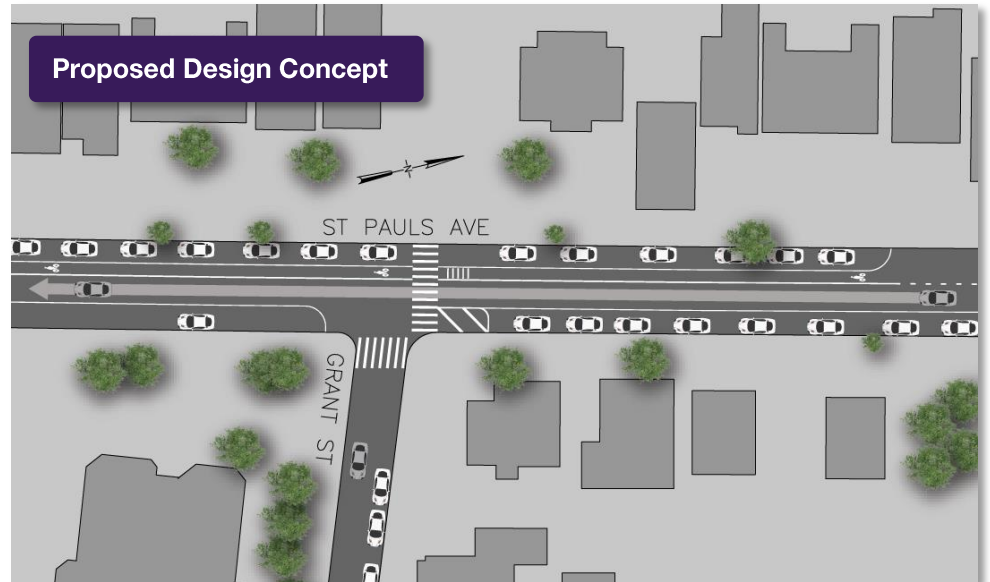
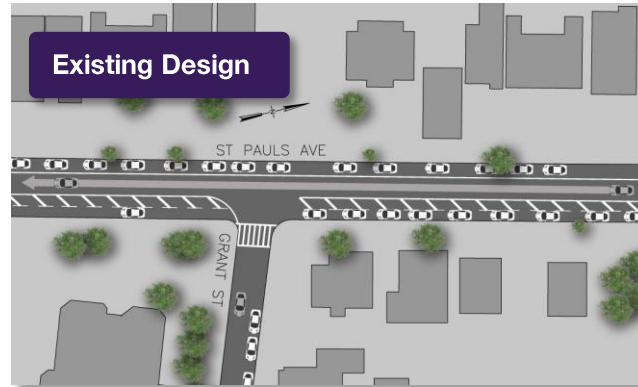
**Increase Visibility**  
Painted area provides more visibility and more pedestrian space

**No Parking Loss**  
Rearrange existing regulations to avoid parking loss



## St Pauls Ave & Grant St Add Enhanced Crossing

- Lack of pedestrian crossing at school
- Nearest crossing ¼ mile away



### Add Crosswalk

*Provides pedestrian crossing by school*

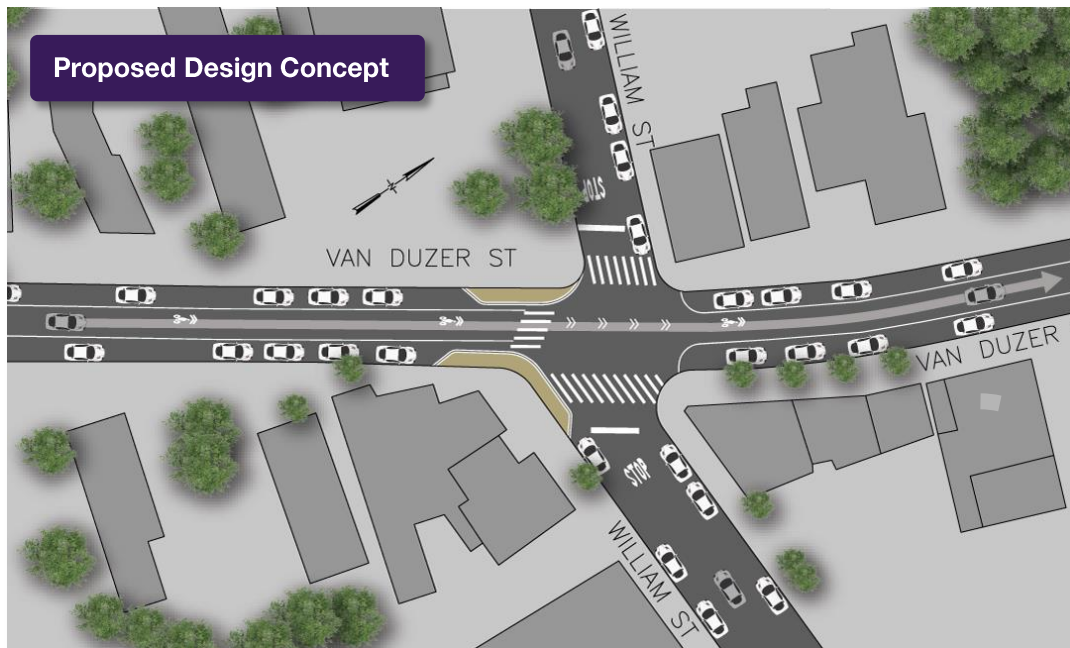
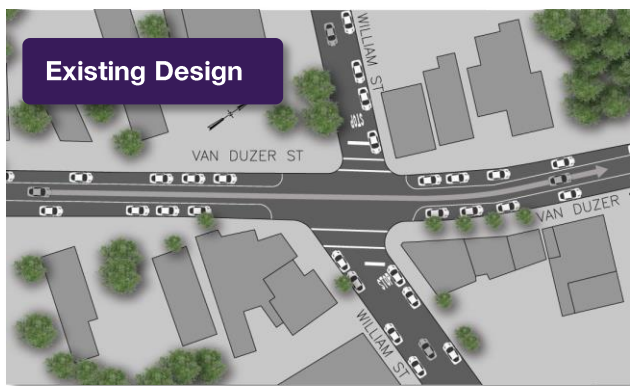
### Increase Visibility

*“No Standing Anytime” regulation increases visibility while removing 2 parking spaces*



## Van Duzer St & William St Add Enhanced Crossing

- ¼ mile between pedestrian crossings on Van Duzer St
- William St links the larger neighborhood to Bay St commercial corridor
- Nearby bus stop



### Add Crosswalk

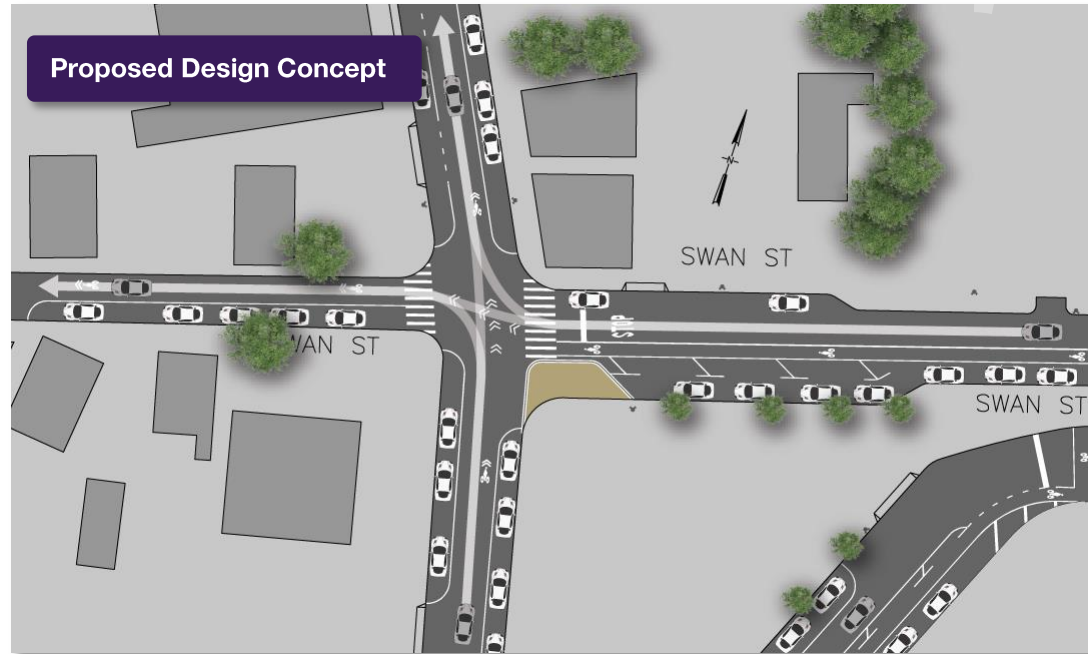
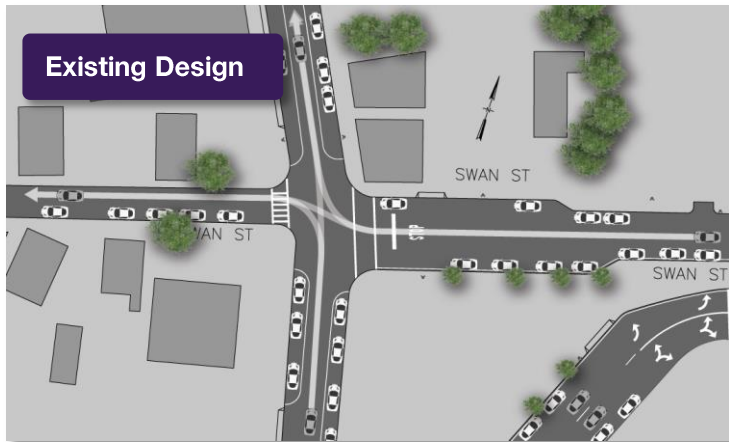
*Enhanced crossing reduces maximum distance between crosswalks by 36%*

### Add Painted Curb Extensions

*Use existing "No Standing Anytime" regulation to add more pedestrian space and shorten crossing distance*

## Swan St & Van Duzer St Add Painted Curb Extension

- Long crossing distance on Swan St
- Poor westbound lane alignment



### Add Painted Curb Extension

*Sidewalk extension shortens crossing distances for pedestrians and improves lane alignment*



A street scene in New York City. A pedestrian in a dark coat and hat is crossing the street at a crosswalk. A cyclist with a large bag on their back is riding down the street. A white van is in the foreground on the right. The background shows parked cars, trees, and buildings. The word "Summary" is overlaid on the left side of the image.

Summary

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# Parking Changes

- Net gain of 40 full-time parking spaces (20 new spaces, 20 upgraded overnight spaces)
- Net loss of 7 overnight parking spaces

## St Pauls Ave at Grant St

Remove 2 spaces for crosswalk

## Van Duzer St at St Pauls Ave

Add 3 spaces after change to intersection

## Van Duzer St at Shelterview Dr

Upgrade 16 and remove 14 overnight spaces to replace extra travel lane

## Van Duzer St at Young St

Add 19 spaces by replacing channelization

## Richmond Rd at Narrows Rd N

Add 2 spaces after change to intersection

## Swan St at Bay St

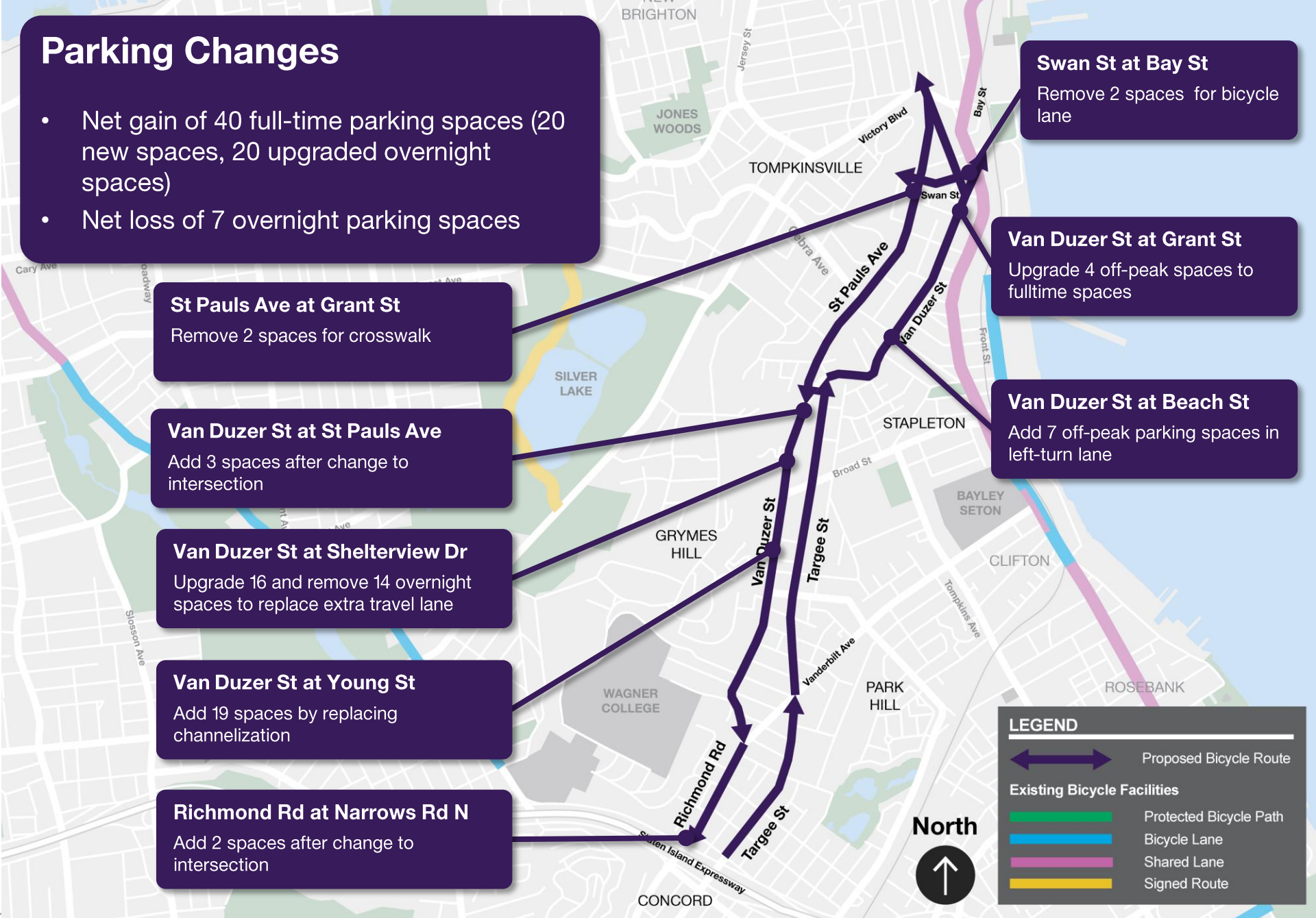
Remove 2 spaces for bicycle lane

## Van Duzer St at Grant St

Upgrade 4 off-peak spaces to fulltime spaces

## Van Duzer St at Beach St

Add 7 off-peak parking spaces in left-turn lane



**LEGEND**

↔ Proposed Bicycle Route

**Existing Bicycle Facilities**

- Protected Bicycle Path
- Bicycle Lane
- Shared Lane
- Signed Route



# Project Summary

- Narrowed travel lanes and a removal of extra travel lanes would discourage speed
- Improve traffic alignments at intersections would increase safety and address complaints
- Additional crosswalks would shorten distances between pedestrian crossings
- Bicycle lanes would connect to ferry terminal for neighborhoods along corridor
- Changes to road design would allow for additional parking



# THANK YOU!

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## Questions?



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