

*SCHOOL ZONE UPGRADES  
and  
PEDESTRIAN SAFETY IMPROVEMENTS*

City Council Workshop  
*August 13, 2015*

*Presented By: Manuel Abarca  
Traffic Engineer*

## AGENDA

- Commerce Ave at 15th Ave Pedestrian Warning Lights Replacement
- Washington Way at Commerce Ave Pedestrian Improvements
- School Zone Upgrade Status Report
  - Discuss Broadway School Zones
- 15th Ave at Mark Morris Court Traffic Signal Grant
- Safe Routes to Schools Evaluation Scope of Work

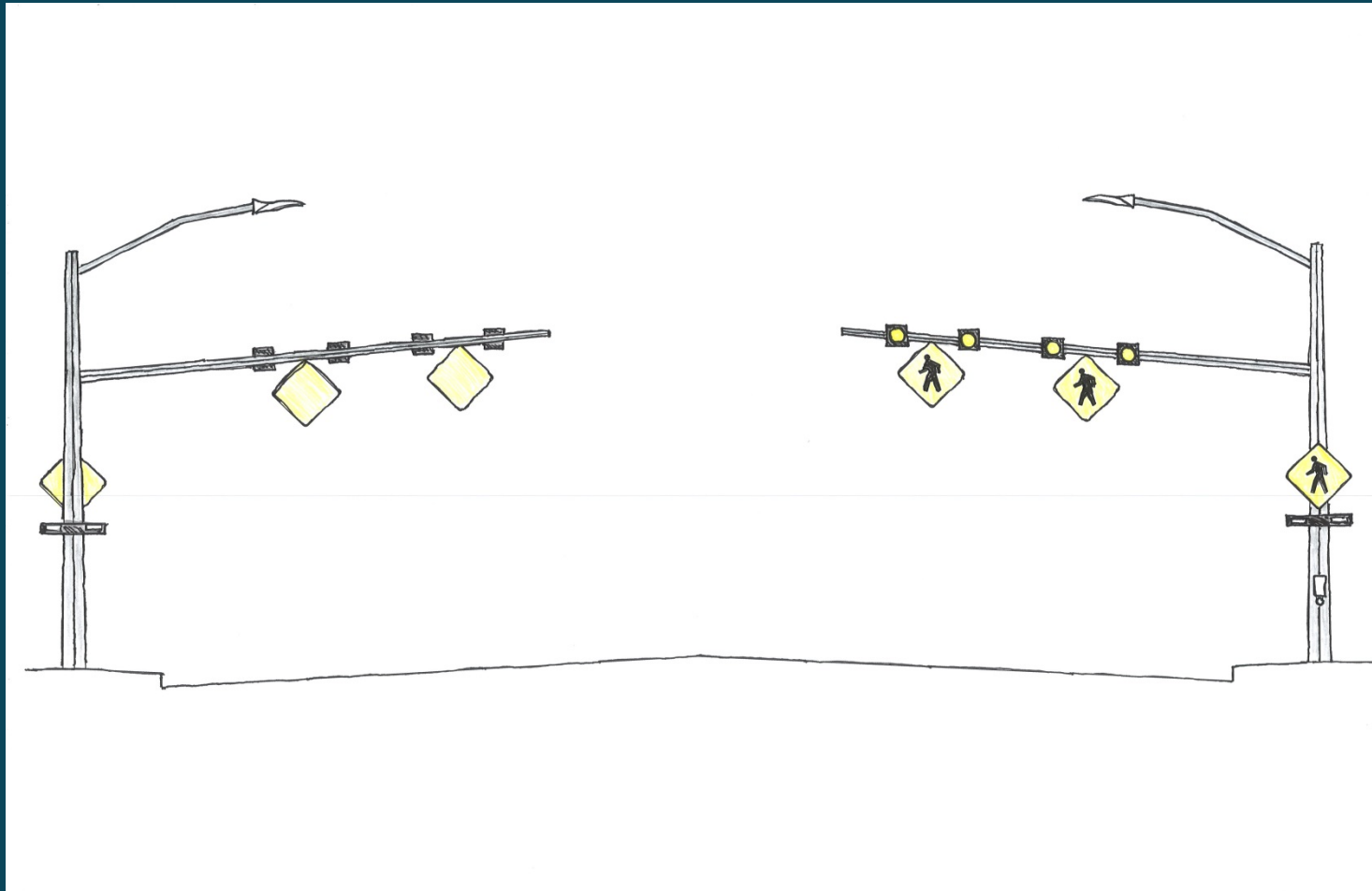
# Commerce at 15<sup>th</sup> Ave Pedestrian Warning Lights Replacement

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- In-ground warning lights have failed
- Maintenance has been a challenge
  - Short life; costly to repair
- Proposed Improvements
  - Upgrade overhead 8-inch flashers to 12-inch LED flashers
  - Install Rapid Rectangular Flashing Beacons
  - Estimated cost: \$23,500
- Staff Recommendation:
  - Do not replace in-ground warning lights
  - Authorize Public Safety Funds to install proposed improvements

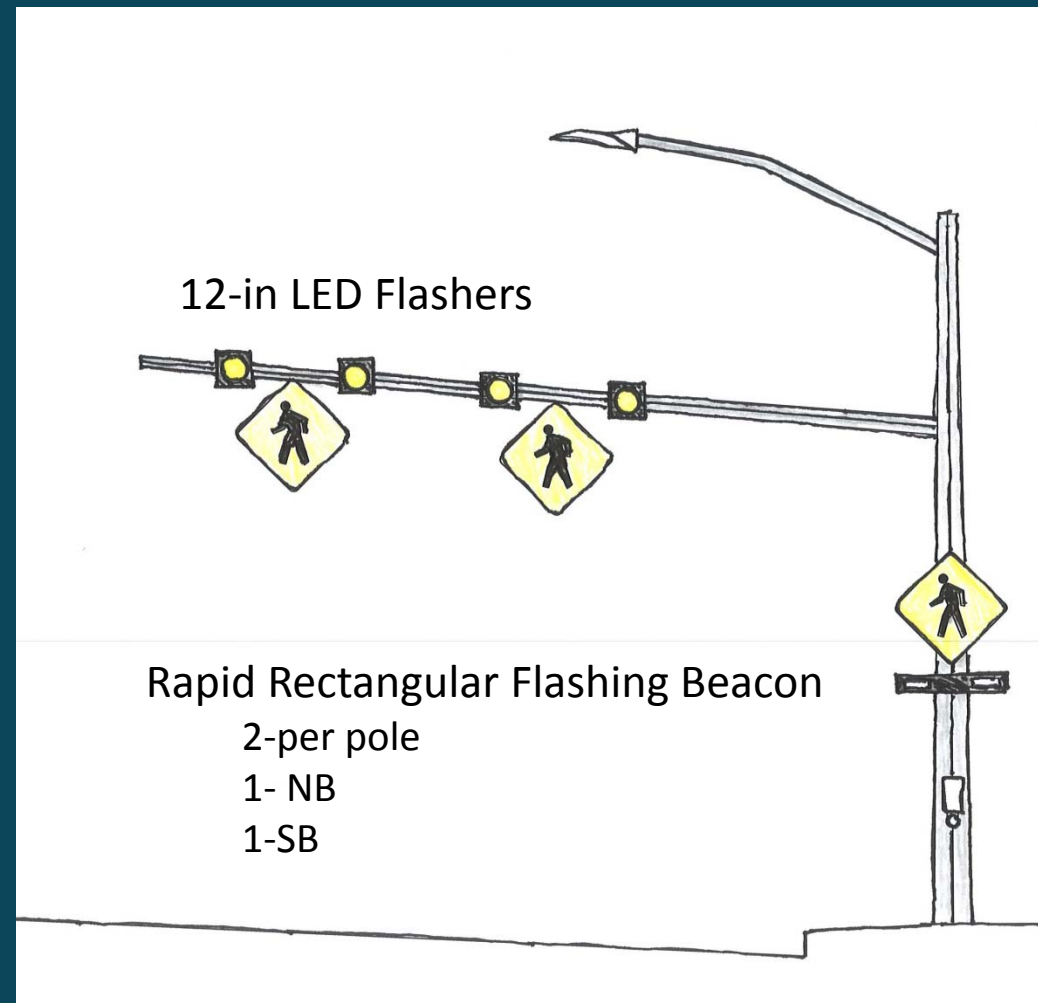
# Commerce at 15<sup>th</sup> Ave Pedestrian Warning Lights Replacement

## Proposed Improvements



# Commerce at 15<sup>th</sup> Ave Pedestrian Warning Lights Replacement

## Proposed Improvements



# Washington Way at Commerce Ave Pedestrian Improvements

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- Project presented to Council on 11/7/2013 and 2/13/2014
- Council approved
  - Eliminate one westbound left turn lane from WA Way onto Commerce Ave
  - Retain eastbound left turn lane
  - Install bulb-outs on two easterly corners
  - Upgrade pedestrian signals at intersections from 9<sup>th</sup> Ave to 12<sup>th</sup> Ave

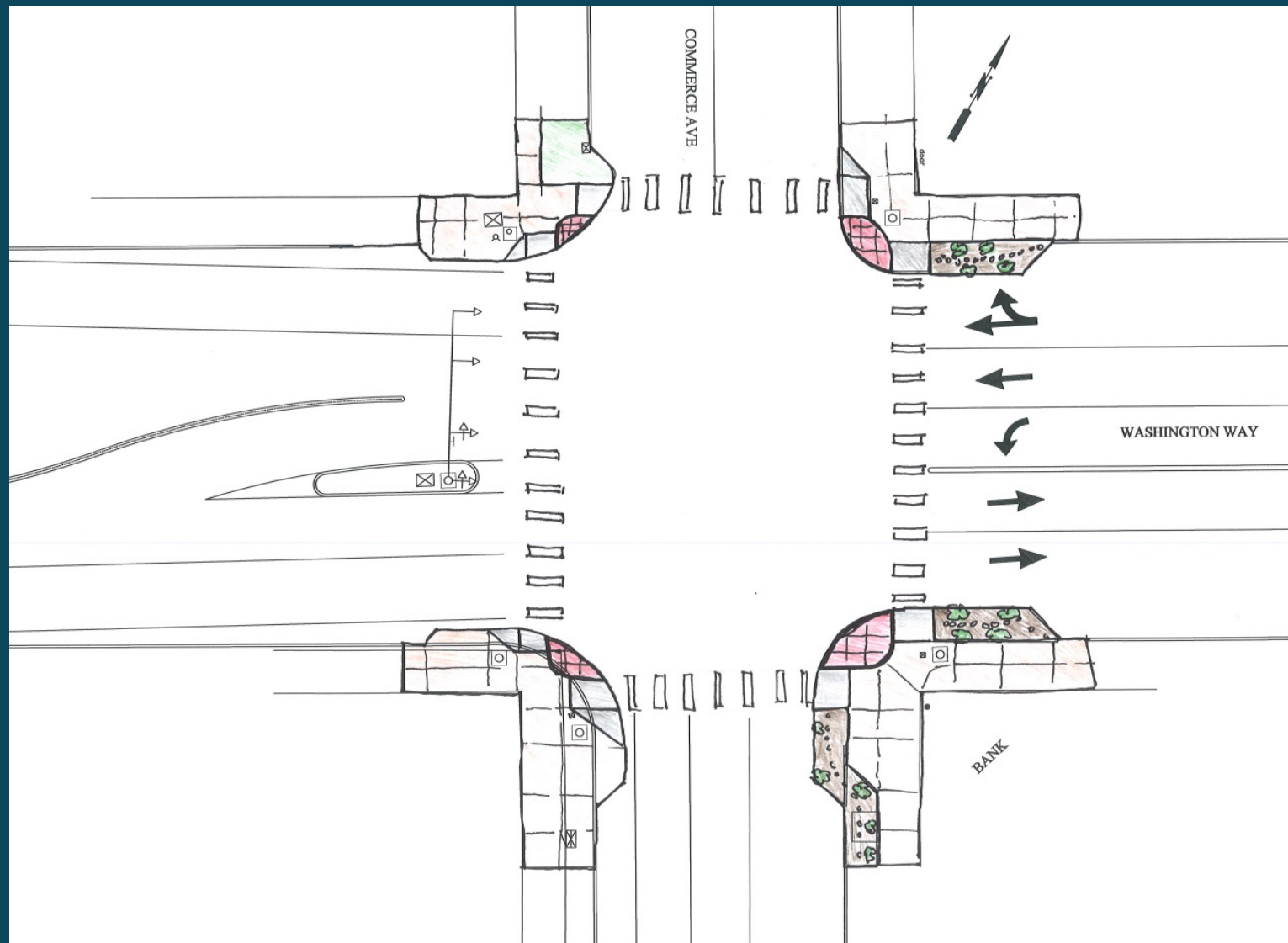
# Washington Way at Commerce Ave Pedestrian Improvements

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## Grant Completion Issues

- Approved scope was too expensive to build because of new rules for ADA compliance
- Staff applied to reduce project limits
  - Project scope modified to provide pedestrian improvements and ADA upgrades at Commerce Ave only
- Meeting ADA standards requires curb bulb outs
  - Bulb-outs minimized to reduce impacts to vehicle traffic
  - Will require an additional \$70K to supplement grant funds

# Washington Way at Commerce Ave Pedestrian Improvements





# Washington Way at Commerce Ave Pedestrian Improvements

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- **Staff Recommendation**
  - Concur with revised design
  - Authorize \$70K from Public Safety Fund to complete funding needed to construct the project

# School Zone Upgrade Status Report

## – Discuss Broadway School Zones

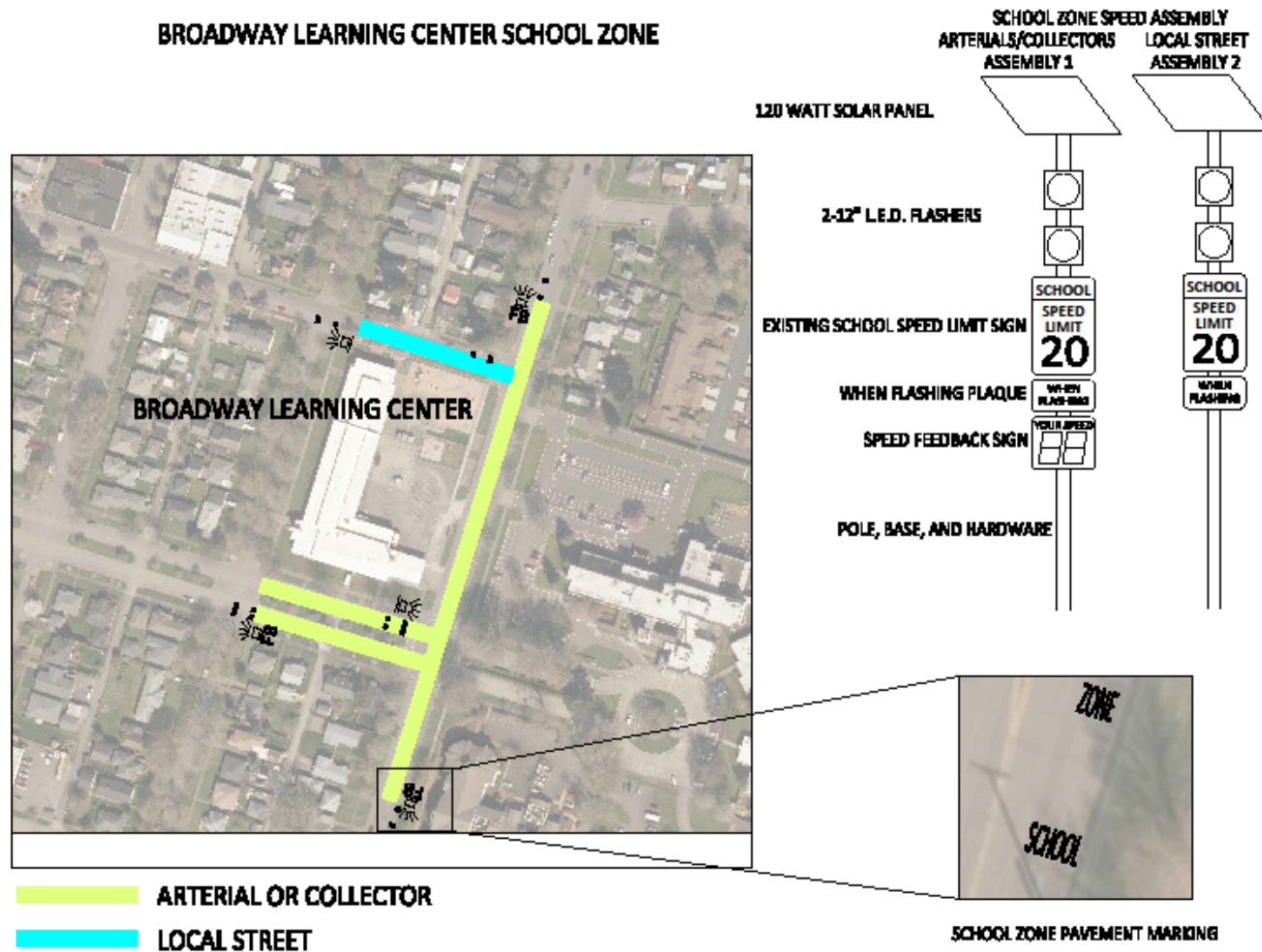
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- Equipment ordered; installation starts late August
- Grant agreement for upgrades at 3 school zones not yet received from WSDOT
- Broadway School Zones Recommendation
  - Remove school zones at this location
  - If zones not removed, incorporate Council suggestions
    - Eliminate speed feedback sign on westbound Broadway
    - Eliminate flasher on westbound Maple

# School Zone Upgrade Status Report

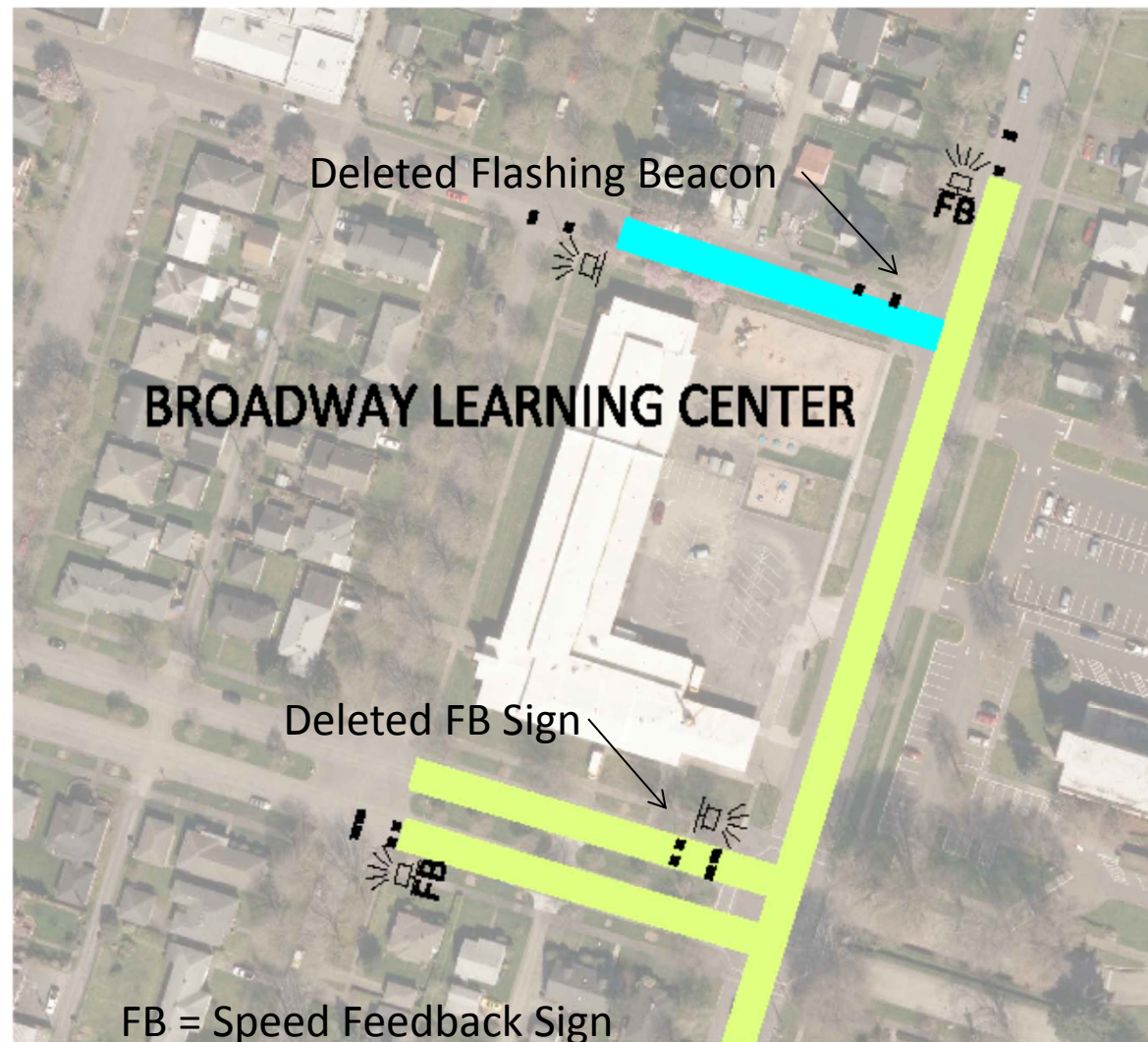
## – Discuss Broadway School Zones

### BROADWAY LEARNING CENTER SCHOOL ZONE



# School Zone Upgrade Status Report

## – Discuss Broadway School Zones



# 15<sup>th</sup> Ave at Mark Morris Court

## Traffic Signal Grant

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School Zone Safety Study identified two potential crossing treatments at Mark Morris Court:

- Hybrid Pedestrian Signal
  - Not grant eligible
- Traffic Signal
  - Traffic signal is grant eligible and meets pedestrian warrants
  - Scored in the Top 10 in State for need to address pedestrian safety issues
  - City awarded \$294,000 grant to construct traffic signal
  - Addresses School District need for controlled crossing
  - Provides a protected crossing for transit riders and other pedestrians accessing Triangle Center

# 15<sup>th</sup> Ave at Mark Morris Court

## Traffic Signal Grant

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- Traffic Signal Impact on School Zone
  - Traffic signal is the highest level of crossing control at an at-grade intersection
  - Placing “School Crossing” signs at signalized intersection is not encouraged by Manual of Uniform Traffic Control Devices; also needs accompanying school zone
  - School zone and photo-enforcement could be eliminated
  - Speed limit in area could remain 30 mph throughout the day

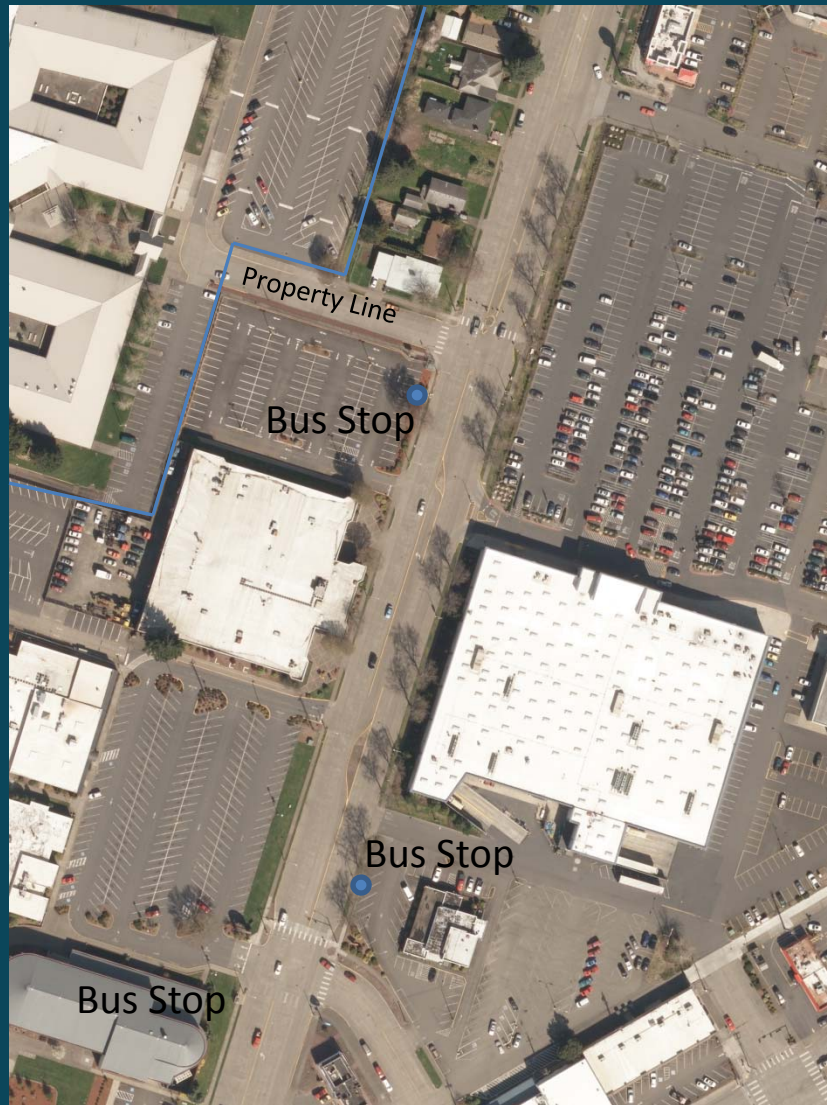


# 15<sup>th</sup> Ave at Mark Morris Court Traffic Signal Grant



# 15<sup>th</sup> Ave at Mark Morris Court Traffic Signal Grant

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# 15<sup>th</sup> Ave at Mark Morris Court

## Traffic Signal Grant

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- **Staff Recommendations**
  - Accept the grant and construct a traffic signal at Mark Morris Court
  - Remove the school zone
  - Work with police and school district to educate students and enforce jaywalking

# Safe Routes to Schools Evaluation

## Scope of Work

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- **Scope of Work**
  - Staff requests clarification on Council's direction to evaluate safe walking routes to schools