

*SCHOOL ZONE UPGRADES
and
PEDESTRIAN SAFETY IMPROVEMENTS*

City Council Workshop
August 13, 2015

*Presented By: Manuel Abarca
Traffic Engineer*

AGENDA

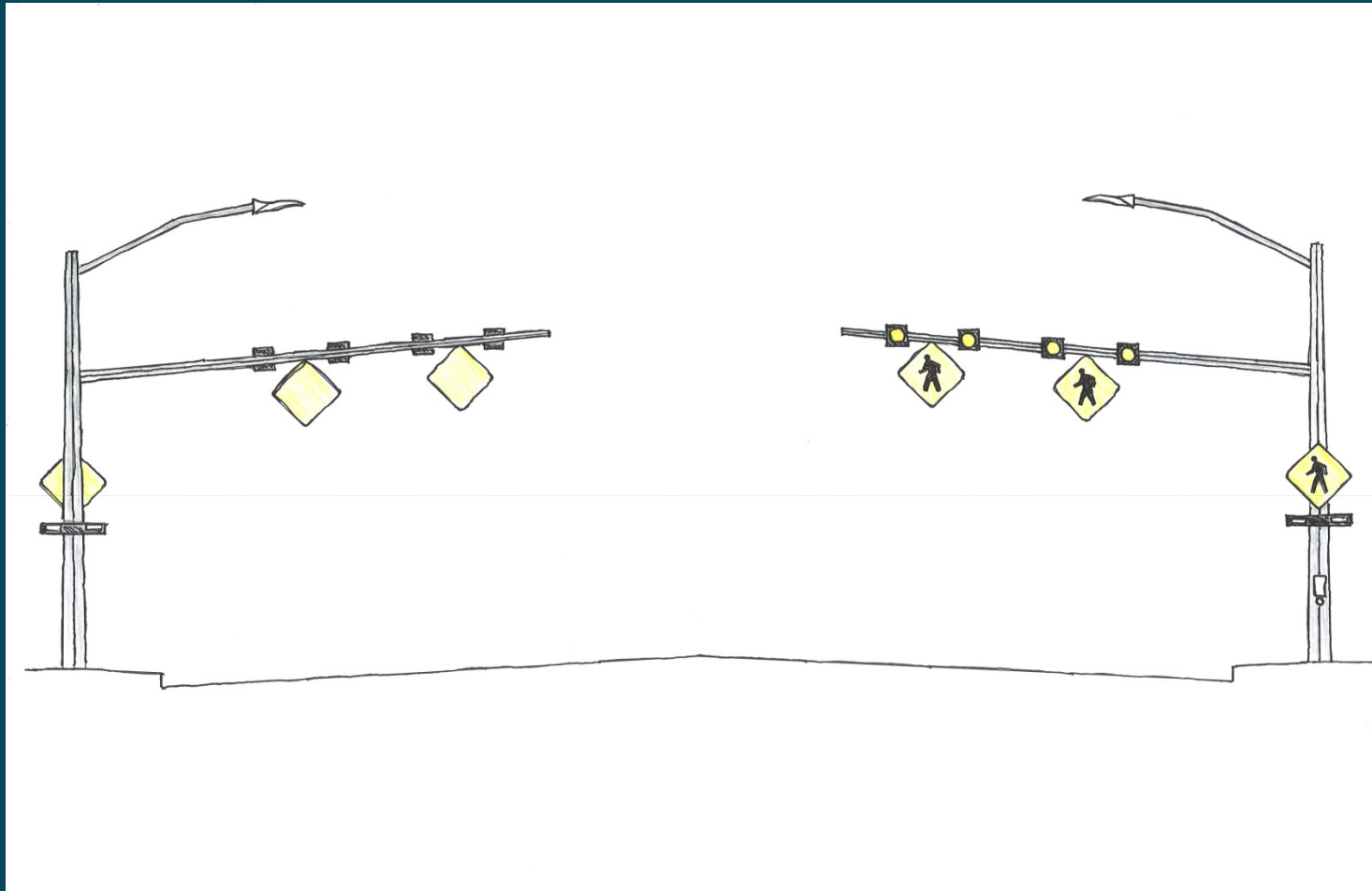
- Commerce Ave at 15th Ave Pedestrian Warning Lights Replacement
- Washington Way at Commerce Ave Pedestrian Improvements
- School Zone Upgrade Status Report
 - Discuss Broadway School Zones
- 15th Ave at Mark Morris Court Traffic Signal Grant
- Safe Routes to Schools Evaluation Scope of Work

Commerce at 15th Ave Pedestrian Warning Lights Replacement

- 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

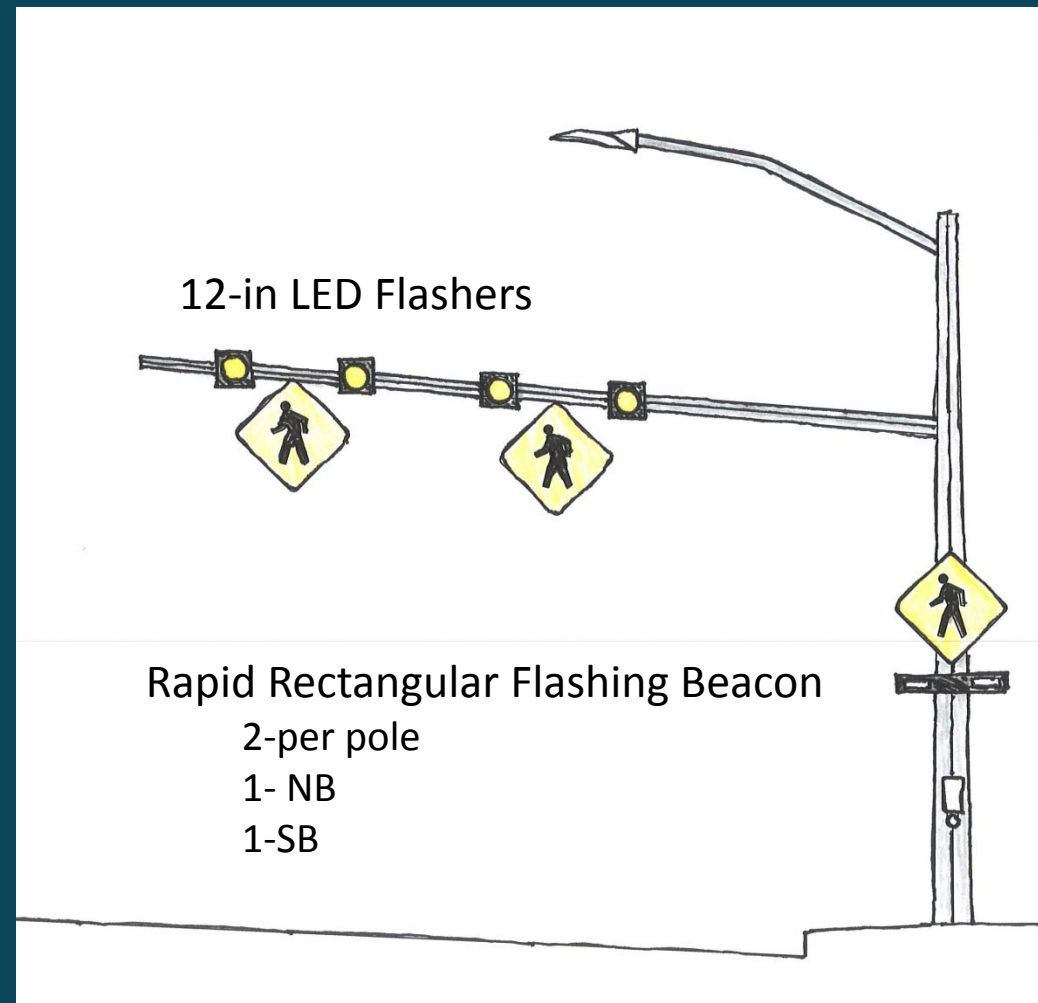
Commerce at 15th Ave Pedestrian Warning Lights Replacement

Proposed Improvements



Commerce at 15th Ave Pedestrian Warning Lights Replacement

Proposed Improvements



Washington Way at Commerce Ave Pedestrian Improvements

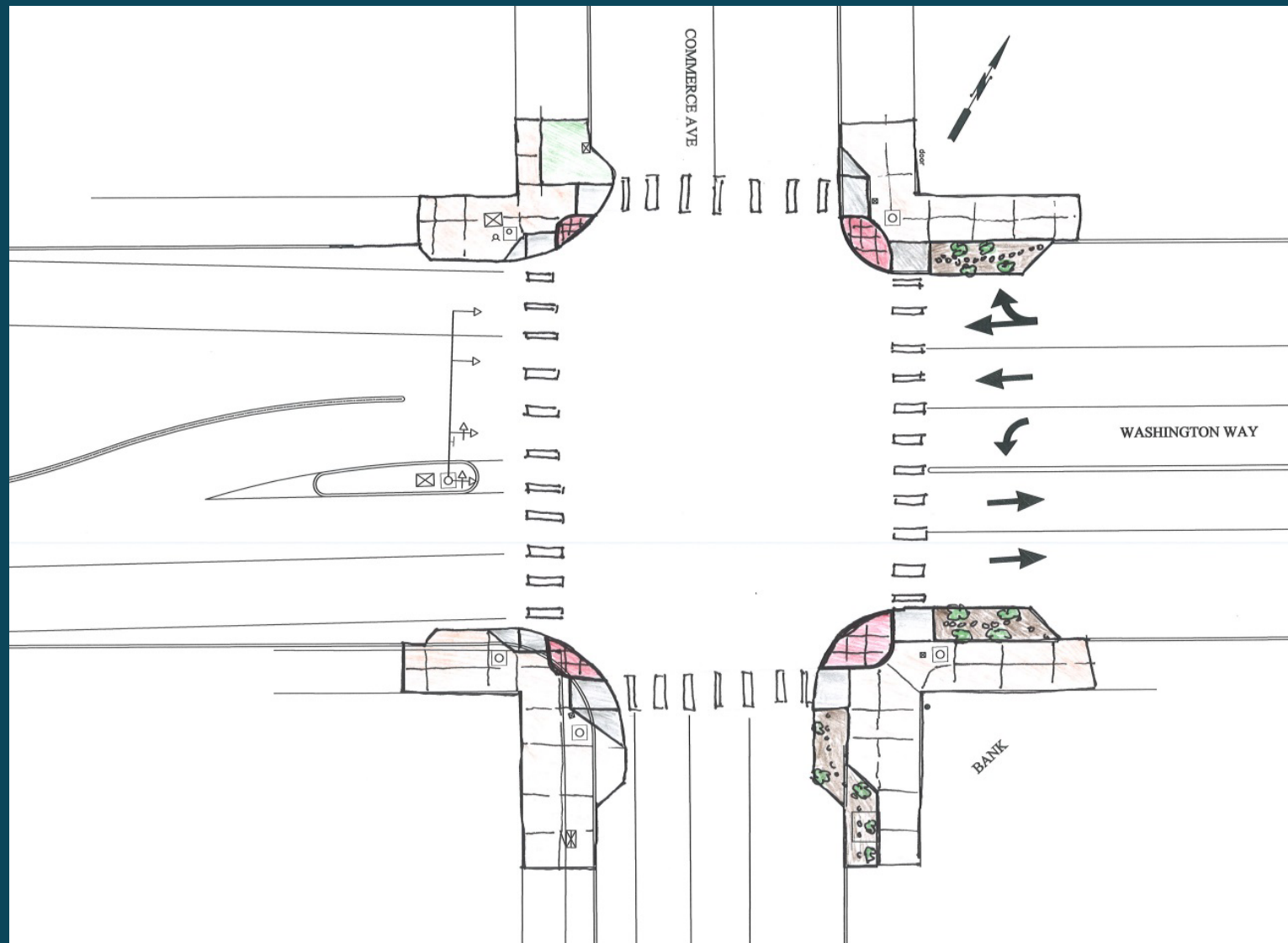
- Project presented to Council on 11/7/2013 and 2/13/2014
- Council approved
 - Eliminate one westbound left turn lane from WA Way onto Commerce Ave
 - Retain eastbound left turn lane
 - Install bulb-outs on two easterly corners
 - Upgrade pedestrian signals at intersections from 9th Ave to 12th Ave

Washington Way at Commerce Ave Pedestrian Improvements

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

- **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

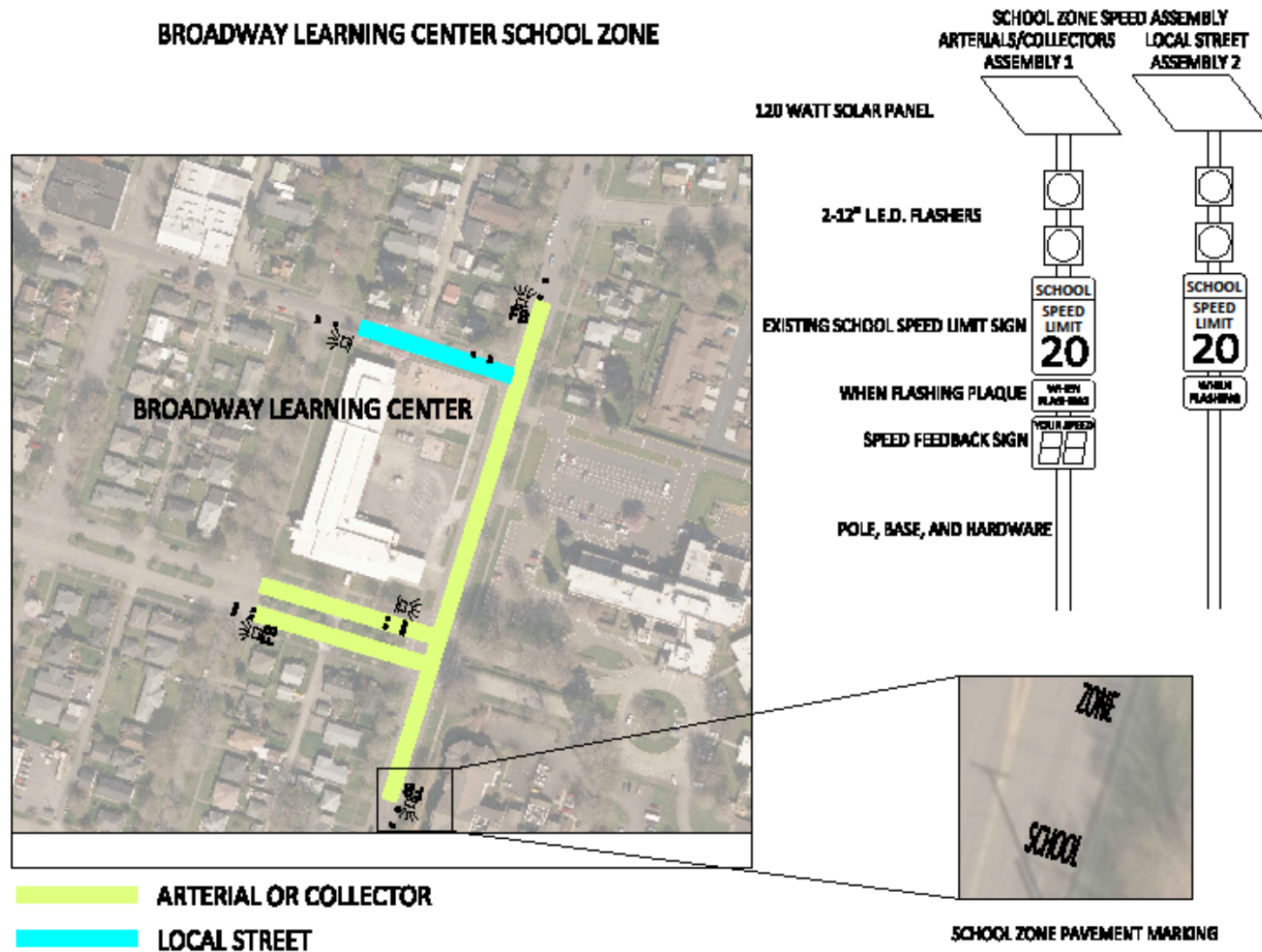
– Discuss Broadway School Zones

- 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

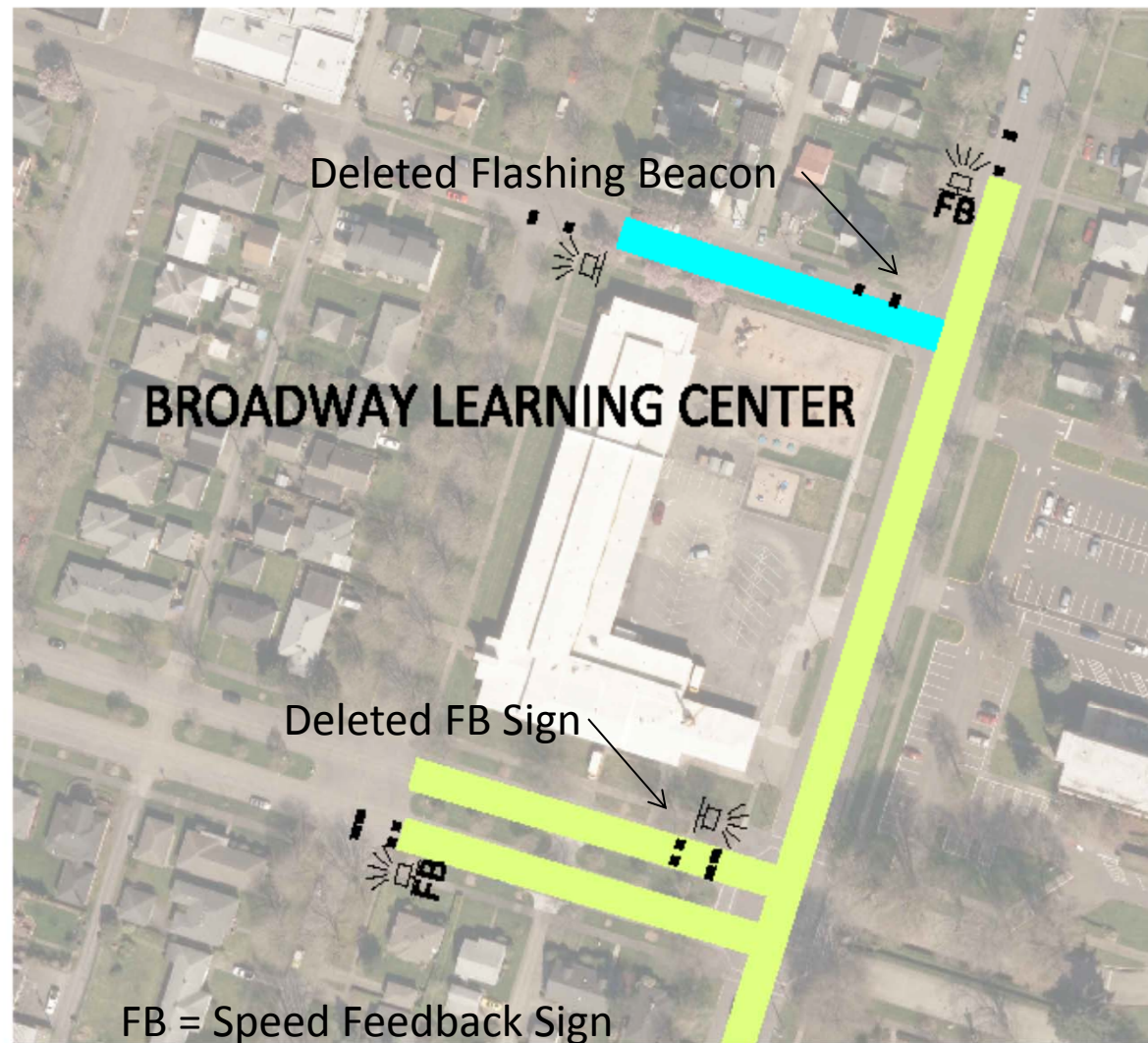
School Zone Upgrade Status Report

– Discuss Broadway School Zones

BROADWAY LEARNING CENTER SCHOOL ZONE



School Zone Upgrade Status Report – Discuss Broadway School Zones



15th Ave at Mark Morris Court

Traffic Signal Grant

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

15th Ave at Mark Morris Court

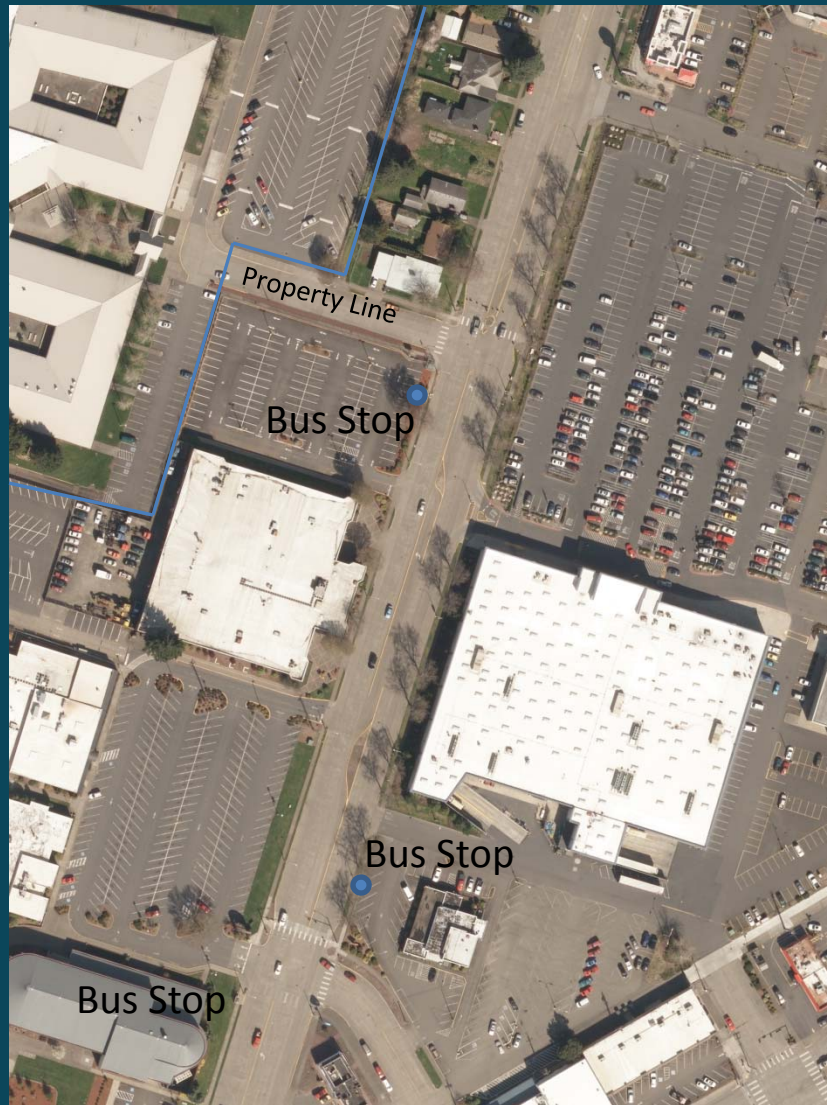
Traffic Signal Grant

- 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

15th Ave at Mark Morris Court Traffic Signal Grant



15th Ave at Mark Morris Court Traffic Signal Grant



15th Ave at Mark Morris Court

Traffic Signal Grant

- **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

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