



Pedestrian Signal Treatments

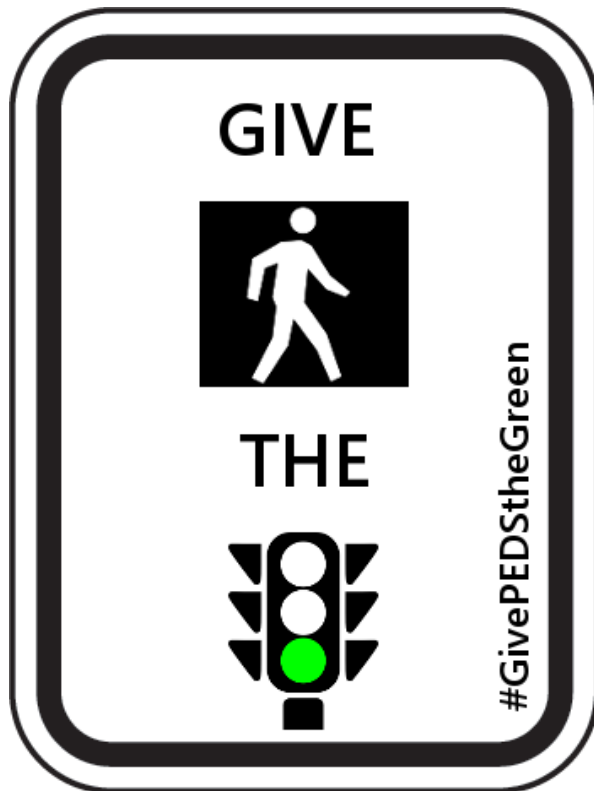
Pedestrian Advisory Board
Ahmed Darrat
December 13, 2017

Presentation overview

- Background
- APS Policy
- Passive Pedestrian Detection
- Pedestrian Signal Treatments
- Next Steps

Background

- Advocacy Campaigns



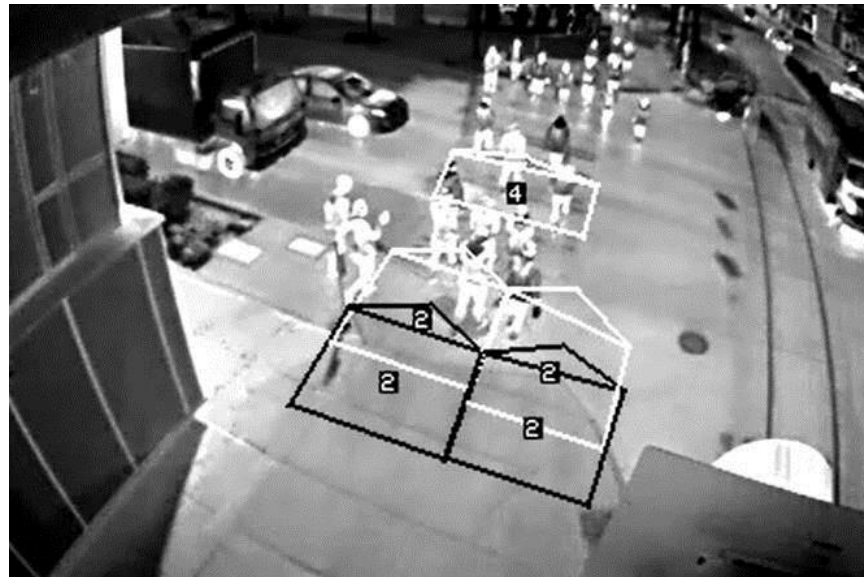
APS Policy

- Requirements:
 - All new signals require APS push buttons
 - All rebuilt signals require APS push buttons
 - All major alterations require APS push buttons



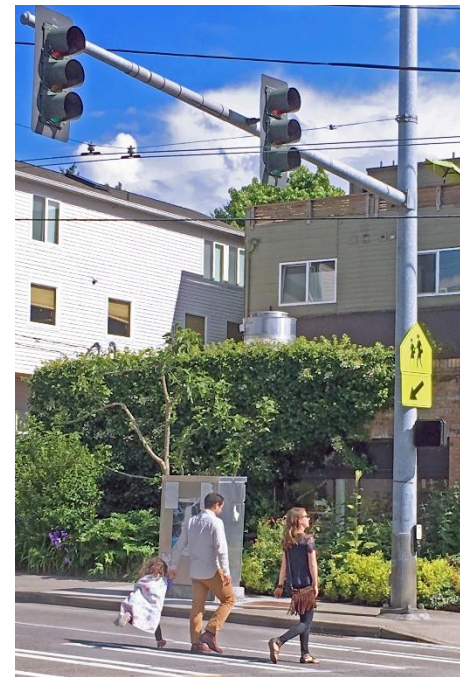
Passive Pedestrian Detection

- Westlake and Denny Pilot:
 - 39% of Cycles with No Button Pushes
 - 16% Passive Detector False Calls



Pedestrian Signal Treatments

- Right Treatment, Right Place
 - Walk Times
 - Detection Methods
 - Cycle Lengths
 - Late Arrival
 - Separate Phases



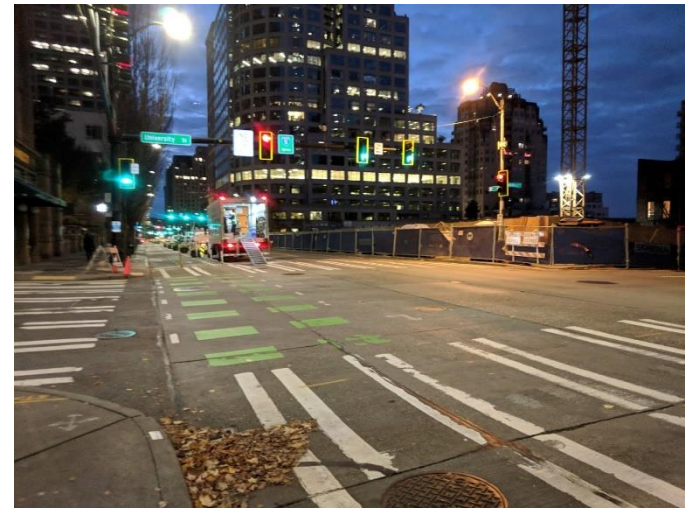
Pedestrian Signal Treatments

- Walk Times
 - Slower walk speed
 - Longer walk time by request
 - Time of day walk times
- Cycle Lengths
 - Lower Cycle Lengths
 - Half Cycles



Pedestrian Signal Treatments

- Detection Methods
 - Passive Detection*
 - Vehicle Call = Ped Call
 - Pedestrian Recall
 - Dual Coord Phase
- Late Arrival
 - Pedestrian Reservice*
 - Late Call*



Pedestrian Signal Treatments

- Separate Phases
 - All-Way Walk
 - All Walk
 - Leading Pedestrian Interval
 - Delayed Walk
 - Right Turn Overlap
 - Turn Restrictions
 - Protected Turns
 - Leading Turns
 - Lagging Turns
 - Compatible Walks with Special Phase
 - Protected Walk
 - Pedestrian Overlap*



Next Steps

- APS
 - Finalize Signage Changes
- Passive Pedestrian Detection
 - Full Operation Pilot
- Pedestrian Signal Treatments
 - Develop Guideline for Application

Questions?

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