

Intelligent Transportation Systems (ITS) & an update on Adaptive Signals

Presentation to the Seattle Bicycle Board

Date 3/6/2019

Seattle Department of Transportation



City of Seattle

Overview

- **What we have heard?**
- **Where we are at now?**
- **Where we are going?**
- **What would you like to see?**
- **Questions**



What we have heard?

- Long waits to cross streets
- Box blocking
- Detection uniformity
- Signal crossings for elderly
- Leading Pedestrian Intervals
- Responsiveness of actuated signals



Where we are at now?

- Identified key location to prioritize and Implement leading pedestrian intervals (on going)
- Upgraded software to provide the same amount of walk time as vehicle green time (on going/piloting)
- Reduced signal cycle length in key locations to minimize side street delay (on going/piloting)
- Extending clearance to provide additional crossing time for Bikes(on going/piloting)
- Providing recall mode in urban village area (on going/piloting)
- Testing passive detection for Pedestrians and Bicycles (on going/piloting)



Where we are going?

- Create a multi-modal **Stakeholder Group** to help guide new technology to be integrated into the intelligent transportation system.
- Updating **policies and practices** to better reflect our city goals
- Standardizing practices to be more uniform for the bicycle experience
- Expanding our real-time traffic adjustment to better prioritize movement of people and goods



What would your board like to see?

- Current concerns?
- Ideas?
- New Research?
- Thoughts?



Thank You

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