



EBCC Annual Meeting

Speed Study & Analysis

Overview

- Background
- Status
- Traffic Calming Devices
- Next Steps
- Questions

Background...

- **June, 2016 study...**
 - Indicated 34% of traffic on Edgewater Blvd exceeded 30 mph
 - 9% of traffic exceeded 35 mph
 - The County wasn't concerned
- **Discussion...**
 - EBCC BOD discussed the numbers, decided this should be tracked, and needed more data
 - Requested follow-up study from the County, which was conducted in May, 2017

Background... (continued)

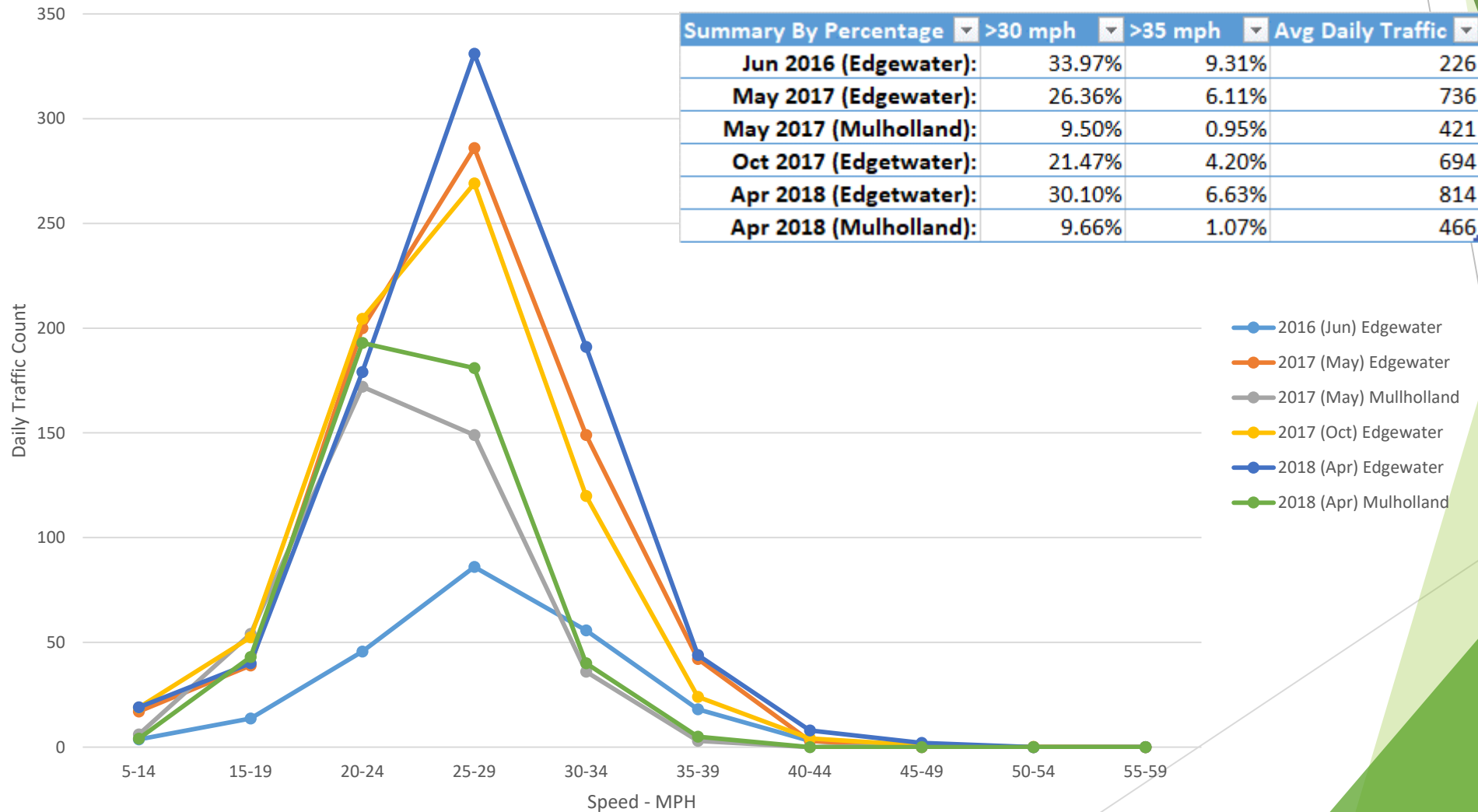
- **Until the next dataset...**
 - While waiting for the County's next study, assuming the data was accurate, what could we do
 - Created a “problem tracking” document, which included goals
 - Researched various methods to address speeding
- **May, 2017 study...**
 - Study showed slower speeds that approached goals
 - Study also showed 3-fold increase in average traffic count
 - Mulholland data indicated speed issue was much less
 - Met with County rep for question and answer session

Background... (continued)

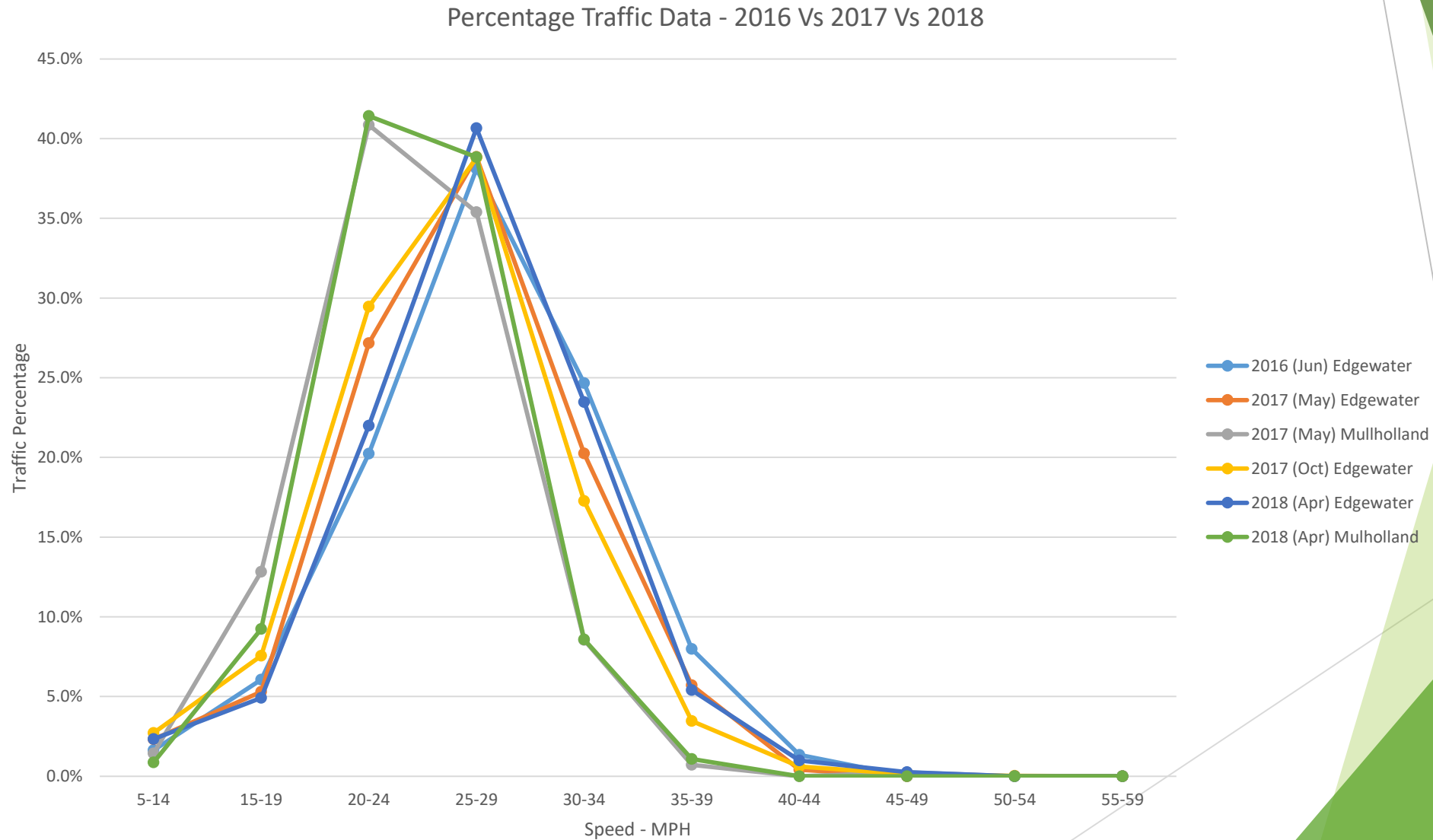
- **October 2017 study...**
 - County set up a 7 day study in October, 2017 (Edgewater only)
 - Verified the May traffic volumes, speeds trended slower
 - Ordered studies for April & July, 2018
- **April, 2018 study...**
 - Study showed speeds increased on Edgewater, approached the original study
 - Traffic count also trended further up
 - Mulholland data still indicated speed issue was much less

Traffic Volume vs Speed...

Traffic Volume Data - 2016 Vs 2017 Vs 2018



Traffic Speed Percentages...



Status...

- **Four traffic studies in hand, another planned...**
 - Data has been broken out for analysis
 - Worker-level communications with the County
- **Traffic speed & mitigation goals documented...**
 - Board has documented plans in place, available to the Community
 - Plans include problem definition, goals, mitigation technologies, and technology requirements and assessment
- **Communication...**
 - Board meeting updates, available in meeting minutes
 - Facebook & Newsletter updates
 - Annual meeting updates, question and answers

Traffic Calming Devices...

- Performed a survey of available devices...
 - Speed bumps
 - Stop signs
 - More/brighter speed limit signs
 - Driver feedback signage
 - Sheriff enforcement patrols

Traffic Calming Devices... (continued...)

- **Driver feedback signage...**

- Uses radar to compare an oncoming vehicle's speed to a preset limit
- Typically displays the vehicle's speed until the limit has been exceeded, and once exceeded, a canned message is displayed
- Processing in the sign logs the speed data for all vehicles that pass by
- The logged data is retrieved periodically and analyzed for speed limit compliance
- Kitsap County employs 28 of these signs, and others are used within various city jurisdictions

Traffic Calming Devices... (continued...)

- **Costs & Features...**

- Features vary usually depending on the size of the sign
- The least expensive may only flash lights, while larger signs can display complex messages and provide data collection via cellular networks
- Signs deployed by the County display the vehicle speed until a preset has been reached, and then display “SLOW DOWN”
- Direct from manufacturer costs vary from ~\$2,500 to \$8,000 per sign, plus options and maintenance
- Cost per sign from the County for their sign would be a one time fee of ~\$6,650

Traffic Calming Devices... (continued...)

- **Working with the County...**

- The County has jurisdiction over our roadways, and an easement on either side of the pavement
- If EBCC chose to put in signs, they would require them to be placed outside the easement
- If EBCC chose County signs, they would cover installation, updates, and any type of damage replacement under the original fee
- Data would be available on a monthly basis, but the format provided needs negotiation
- Multiple mounts can be installed so a single sign could be rotated between sites...at a cost of ~\$60 per move

Next Steps...

- **Straw poll (non-binding)...**
 - Does the traffic study data we have require action? YES/NO
 - Would you support more “Stop” signs to control traffic? YES/NO
 - Would you support the installation of an active traffic calming speed sign that could be rotated around the Community? YES/NO
- **Get the next study in July...**
 - Add the data to the existing dataset & analyze
- **Communicate...**
 - The Board will continue to communicate via the Newsletter and Facebook
 - If you see Community speed issues, speak up in Facebook, contact the Board

Questions...

- Any Questions???