Today’s Meeting

- **Presentation:** WSDOT Covid-19 Dashboard – Justin Belk, WSDOT

- **Discussion:** 2022 ITS/Traffic Control M&P Cost Estimates
Discussion: ITS/Traffic Control M&P Cost Estimates for the 2022 Regional Transportation Plan
Overview of proposed methodology to estimate 2022-2050 need:

1. Use BARS data to identify most recent ITS/Traffic Control expenditures
2. Capture additional need using a survey to build on reported BARS data
3. Calculate annual growth rate based on historic BARS data
4. Apply growth rate to estimates calculated in step 2
• Approach for capturing additional need:

1. Distribute survey to all jurisdictions to determine % increase above reported BARS data required to achieve optimal level of traffic control maintenance (optimal level to be determined based on discussions with stakeholders)

2. For jurisdictions that do not respond: Create large-, medium-, and small-sized jurisdiction categories (based on population or # of signals) and determine average additional funding needed to achieve optimal level based on responses received for each respective category. Then apply that amount to jurisdictions that did not respond.
1. Use BARS data to identify most recent ITS/Traffic Control expenditures

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Survey Approach: BARS Data

- For each jurisdiction, an average of the most recent years of data submitted by jurisdictions for BARS code **542.64 - Maintenance of Traffic Control Devices** will be included in the survey.

- Defined by SAO as:
  
  - The costs of painting, repairing and replacing guardrails, signs, pavement markings and pavement stripes; **operating, painting, replacing and repairing traffic signals and control systems**; supervising, operating, maintaining and repairing weighing stations; and maintaining, repairing and replacing right-of-way fences when the damages result from public use of the roadway, or when maintenance is the responsibility of the local government by agreement.
Discussion: BARS Data

- Are there any significant ITS/Traffic Control costs not captured by this BARS data? If so, what is missing?

- Is there anything else we should know about this BARS data?

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Survey Approach: Definition of Optimal

- In the survey, we are capturing additional need based on achieving an agreed upon “optimal” scenario.

- For the 2018 the “optimal” scenario for the maintenance and preservation of ITS/Traffic Control systems was defined as:
  - “...your agency is fully staffed (either internally or via an agreement with another agency) and able to carry out all operations, routine maintenance, and capital needs of the existing ITS system (definition to follow) and that all capital components of the system are maintained and preserved within the intended lifecycle or as necessary.”
2018 RTP Definition: “...your agency is fully staffed (either internally or via an agreement with another agency) and able to carry out all operations, routine maintenance, and capital needs of the existing ITS system (definition to follow) and that all capital components of the system are maintained and preserved within the intended lifecycle or as necessary.”

- Should any changes be made to this definition of an optimally maintained and preserved ITS system?

- What is the difference between existing M&P outcomes (based on current spending levels) vs. the outcomes in the optimal scenario?
Step-by-Step Discussion

1. Use BARS data to identify most recent ITS/Traffic Control expenditures

2. Capture additional need using a survey to build on reported BARS data

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Calculating the Growth Rate

Regional ITS Expenditures, BARS

<table>
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<tr>
<th>Year</th>
<th>Millions ($)</th>
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<td>$42</td>
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<td>2018</td>
<td>$41</td>
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</tbody>
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- 5-year Period (2013-2018): -0.3%
- 10-Year Period (2008-2018): 3.1%

• What factors might be driving the trends seen in this data?

• Any thoughts on which growth rate may be most appropriate to use, and why?
Next Steps

- **September RTOC Meeting**: Discuss and get feedback on draft survey template
- **Fall 2020 – Winter 2021**: Distribute and collect surveys
- **Winter 2021**: Analyze and process survey results
- **Early Spring 2021**: Finalize all M&P cost estimates (including for ITS/Traffic Control)