Today’s Meeting

- **Presentation**: Shannon Walker, SDOT – Shaping a Driverless Future

- **Discussion and Action**: Adoption of revised RTOC Operating Procedures

- **Discussion**: Regional ITS/Traffic Operations Plan Update
Shannon Walker, SDOT
Shaping a Driverless Future
Discussion and Action Item

Proposed Adoption of Revised RTOC Operating Procedures
Proposed Revised Operating Procedures

What We Discussed in March

• RTOC functions as a Technical Working Group
• Two primary committee functions
  o Forum for coordination & information sharing
  o PSRC’s hub for ITS Expertise
• Changes to membership structure

Suggested Changes

• Emphasize the importance of representing RTOC’s interests at RPEC
  • PSRC Response: Change incorporated into Operating Procedures
• Feedback received via email incorporated where applicable
Discussion Item

Update to Regional ITS/Traffic Operations Plan
Overview/Approach

Background

• Recommendation in Draft Regional Transportation Plan to update the Regional ITS Implementation Plan

• Most peer MPOs have a good understanding and clear inventory of ITS/traffic operations deployments on the ground across their respective regions

ITS Plan Update Approach

1. Work with jurisdictions to develop a regional inventory of existing/on the ground ITS deployments

2. Utilize inventory and additional data analytics to identify needs and gaps, which would then lead to potential policy recommendations

* Will leverage the work done for the previous ITS Plan (RITSIP) wherever possible
Previous/Current ITS Inventory Efforts

2013 PSRC Signal Inventory
- GIS-based regional traffic signal inventory, aimed at improving management of signal systems across jurisdictional boundaries
- Responses received from 7 jurisdictions

2012-13 South King County Inventory
- Questionnaire on traffic signals and various other components
- Responses received from 11 jurisdictions

King County Metro TSP Project
- Data collection across King County to help with the implementation of TSP – Current Effort

ITS Strategic Plans
- Developed in the mid-2000s to meet federal funding requirements and deploy ITS infrastructure
- Most of these plans are outdated due to project completion and evolving technologies

Smart Mobility Plans
- Broader range of technology solutions beyond traditional ITS projects including autonomous/connected vehicles, smart mobility hubs, and electrification
- Recent efforts: SDOT’s New Mobility Playbook, Bellevue - ongoing

Anything else?
Regional Inventory Data Collection

Desired Outcome:

Inventory of ITS assets and where they are deployed along all principal arterials and non-Interstate NHS routes across the region →

• What are the ITS assets?
• Where are they deployed?
At a minimum, PSRC will collect data from jurisdictions on the following:

Traffic Signal Systems

- What/where?
- Please indicate which signals have pertinent ITS features (e.g. Adaptive Signal Control, TSP, etc.)

Traffic Management Tools

- What/where?
- At a minimum, include:
  - ATM
  - ICM
  - TMCs
## Inventory: Proposed Approach

### Traffic Signal Systems
- **What/where?**
- Please indicate which signals have pertinent ITS features (e.g. Adaptive Signal Control, TSP, etc.)

### Traffic Management Tools
- **What/where?**
- At a minimum, include:
  - ATM
  - ICM
  - TMCs

### Additional ITS Assets
- **What/where?**
- If available, may include:
  - Closed Circuit Cameras
  - Dynamic Messaging Signs
  - Other?
Inventory: Proposed Approach

• Location-based data for the minimum categories mentioned on the previous slide is critical for the regional needs and gaps analysis.

• We will accept and incorporate other data provided by jurisdictions into the inventory (where possible) but anything beyond the scope of the previous slide is not required.