Mobility and Congestion Performance Data Peer Exchange
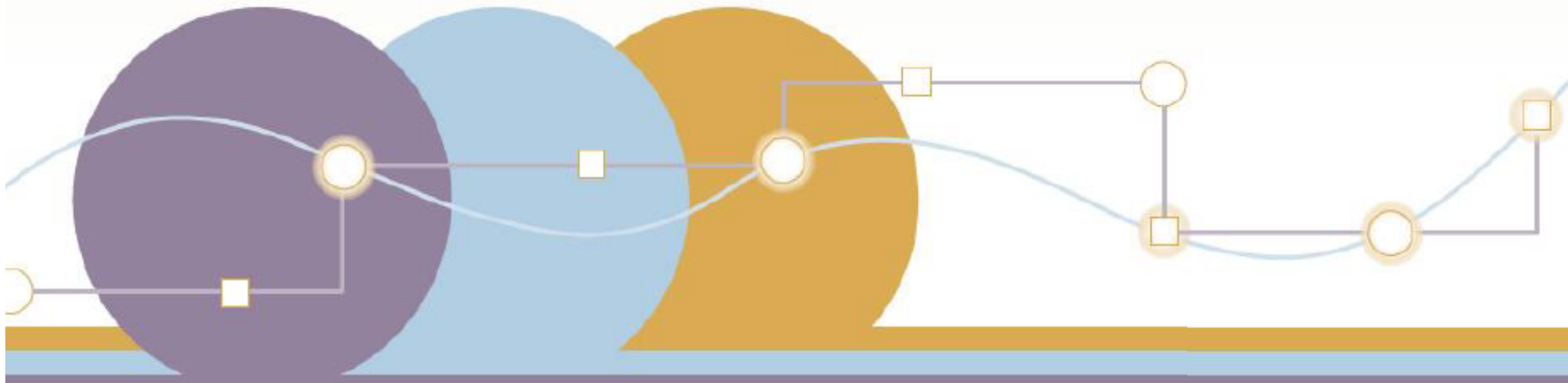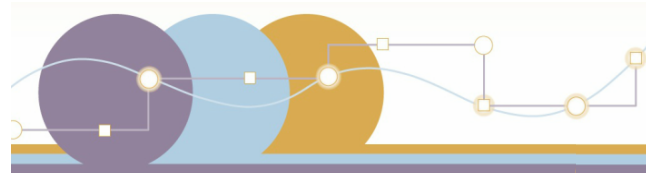
Key Themes from Agency Questionnaires

May 9 & 10, 2016
Portland, OR

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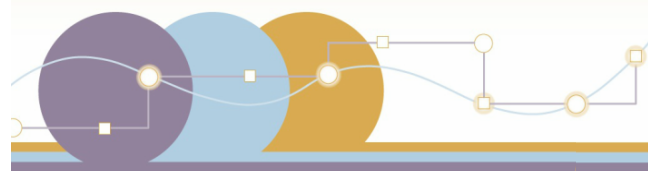**Federal Highway Administration**

General

- Large variation in practice:
  - Type and scope of data collection
  - Performance measures in place
  - Forecasting capabilities
  - Platforms and tools for data analysis and distribution
  - Use of performance information within planning, programming, operations
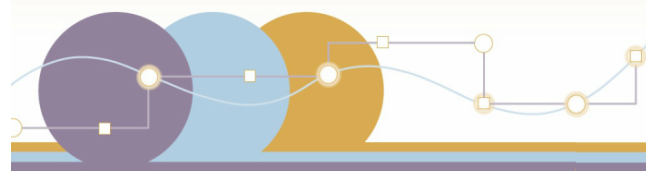 - Type and extent of state-regional coordination

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DOT-Regional Collaboration

- Current collaboration on:
  - Data Collection
  - Data Sharing
  - Modeling
  - Plans and Studies

- Collaboration mechanisms include:
  - Committees & work groups
  - MOUs
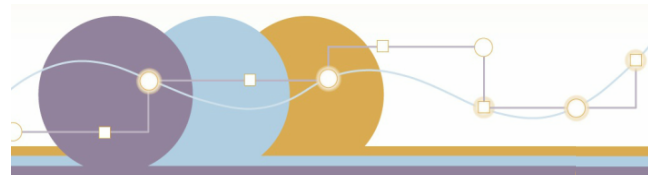 - Multi-agency data licensing agreements

Successful Practices

- Use of probe data (several)
- Storage and analysis platforms (PORTAL, ICE-OPS, DRIVE, PeMS, RITIS, TracFLOW)
- Multimodal congestion/corridor performance reporting and online story maps (WSDOT)
- Measurement of job access (COMPASS)
- Data governance (Alaska)
- TSMO Planning (Iowa)
- Collaboration on performance reporting (MTC VitalSigns)
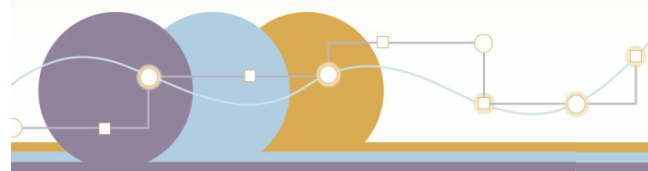- Use of performance info in planning and programming (several)

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Challenges

- Staffing and funding for data collection & processing

- Data quality, granularity, coverage

- Trend data

- Integrating disparate data sources (traffic, roadway, travel time, project, incidents)

- Multimodal perspective (bike, pedestrian, transit)

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What do agencies want to learn?

- What performance measures exist for other modes (non-vehicle mobility)

- How to set goals and targets

- What performance information other agencies share/report publicly

- How data is collected/acquired, and when to collect v. when to purchase

- What processing and validation techniques are used

- How to work together to maximize resources

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