



T2040 Monitoring: Congestion and Mobility Existing Conditions Report

Washington Transportation Commission

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May 17, 2011

Final Report Available Online

Completed Report can be found at:

<http://www.psrc.org/transportation/cmp>



Overview

Today's presentation:

1. Congestion and Mobility Existing Conditions

Report Overview

- Background and context
- CMP Network
- SMART Corridor analysis framework

2. Uses of the report

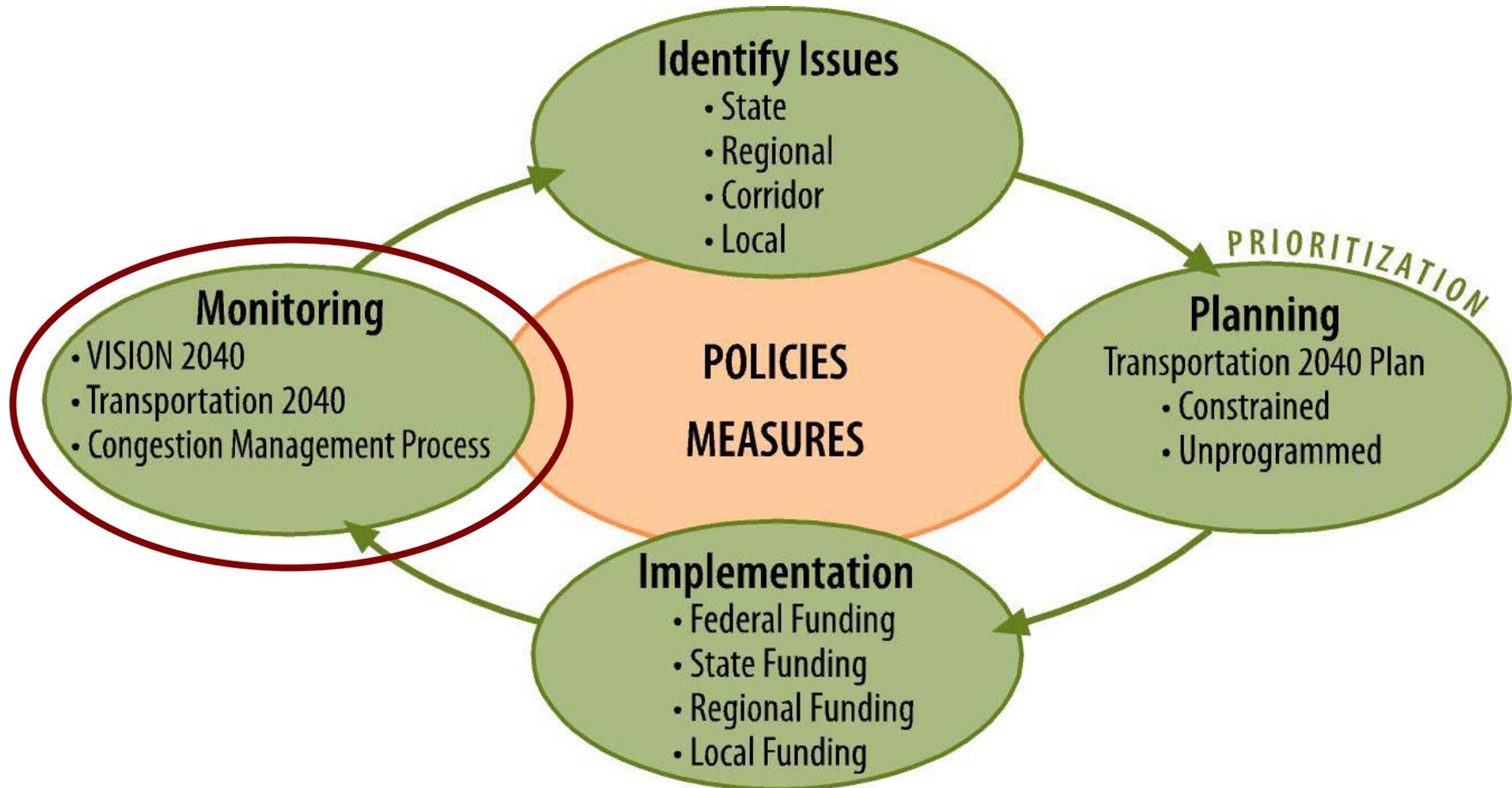
- Regional Planning Process
- Relationship to T2040 monitoring and prioritization

3. Schedule/Next Steps



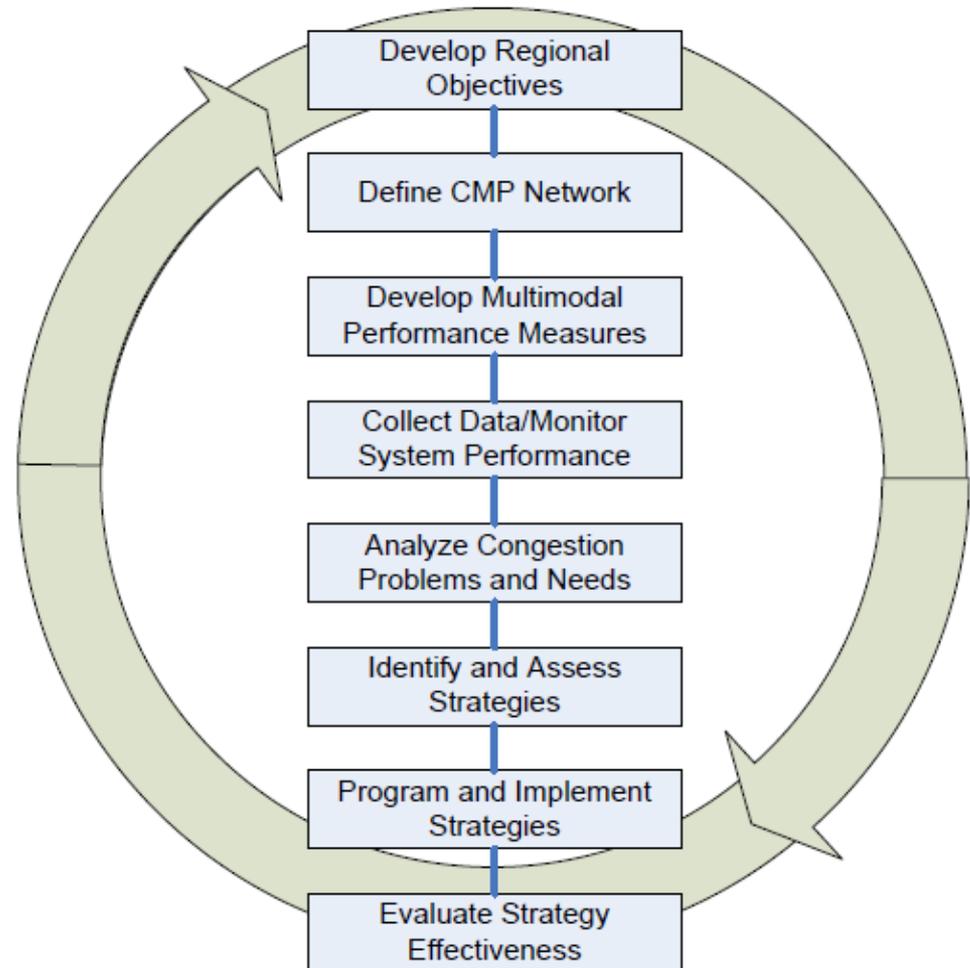
Congestion & Mobility Report: Overview

Regional Transportation Planning



What is the CMP?

- Federally required since 1991 with latest update in March 2007: SAFETEA-LU
- CMP must address congestion management through a process that provides for effective management and operation, based on a metropolitan-wide strategy, of new and existing transportation facilities and programs.
- Metropolitan planning organizations with a population over 200,000 must have a CMP in place. 23 CFR 450.320



State & Regional on Congestion/Mobility

State Guidance from multiple plans, including:

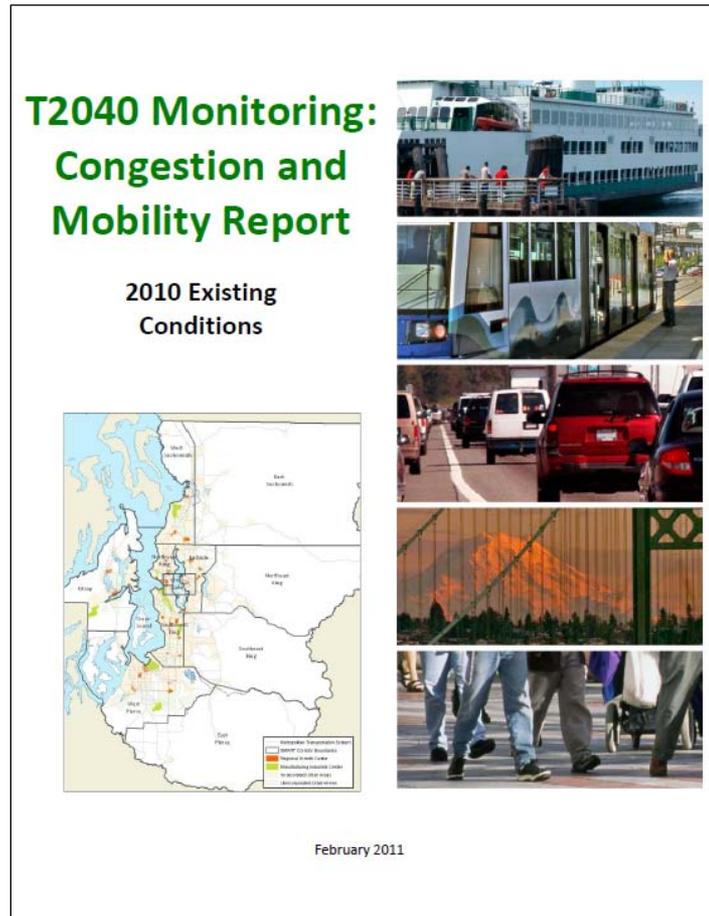
- WTP: 20 year long range transportation vision:
 - A blueprint and strategies to guide decisions and investments needed to develop Washington's transportation system to serve its citizens', communities', and economy's future needs, while safeguarding its environment.
- Moving Washington: 10 year Transportation Plan
 - Improve travel times by 10% in urban corridors
 - Reduce collisions by 25%
 - Improve trip reliability by 10%
 - Offer more choices for more commuters

Regional Policy

- VISION 2040
 - System offers a variety of transportation choices
 - Existing capacity and demand management strategies should be emphasized to reduce need for capital improvements
 - Transit and non-SOV modes account for an increased proportion of trips
 - Improved mobility/accessibility
 - Commercial movement more reliable and efficient
 - Sustainable, user-oriented and balanced transportation system

Congestion and Mobility Existing Conditions Report

- Documents region's Congestion Management Process (CMP)
- One element of larger T2040 monitoring effort
- Introduces SMART Corridors analytic framework
- Serves as a baseline
- Information on land-use and the current state of the transportation system
- Will be updated biennially



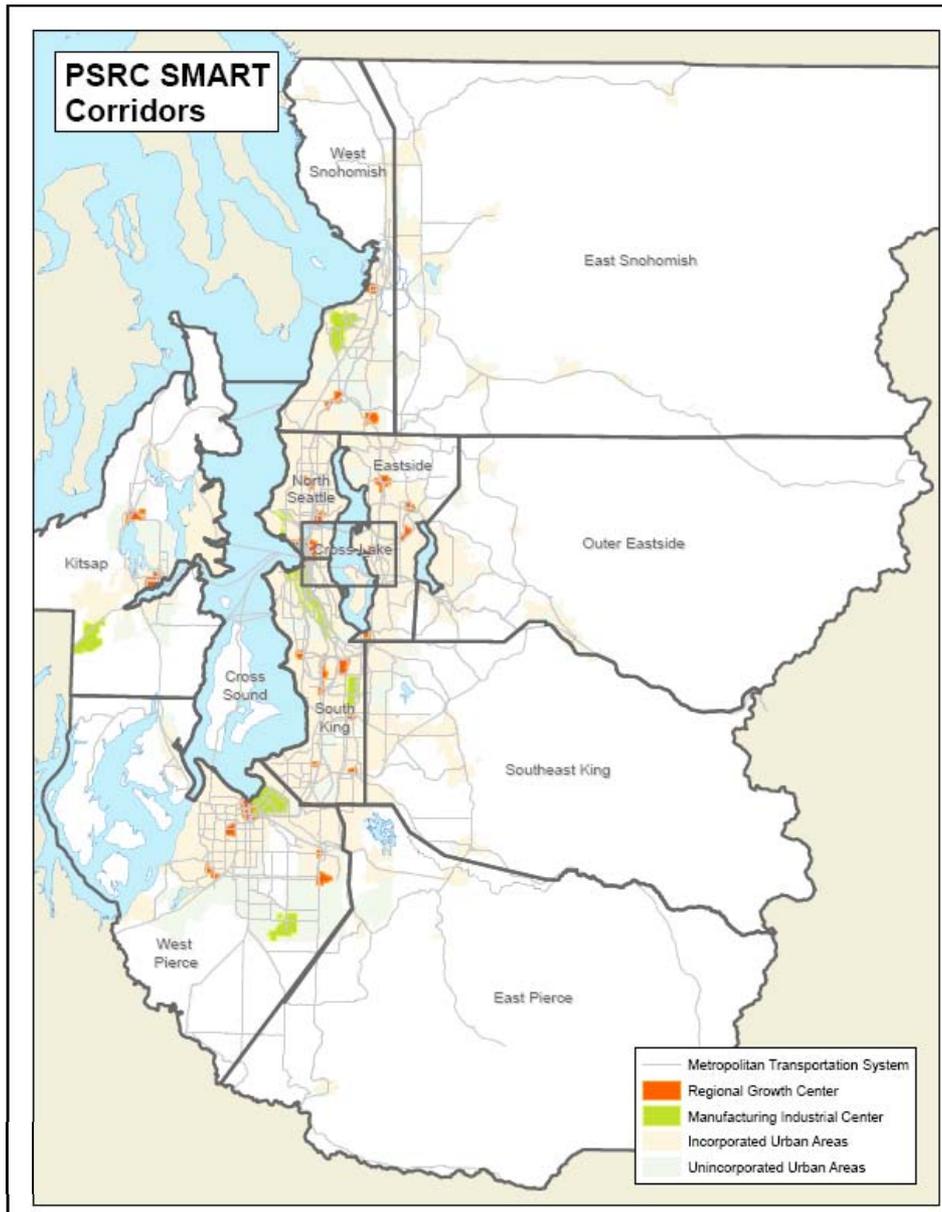
SMART Corridors Table of Contents

- **INTRODUCTION**
 - What is the Congestion Management Process (CMP)?
 - What are the federal and state requirements?
 - What are the regional policies related to the CMP?
 - How do Congestion and Mobility Reports inform regional planning?
 - Data Availability
 - What are SMART Corridors?
- **CMP NETWORK**
 - Multimodal and Freight Network Development
 - Metropolitan Transportation System (MTS)
 - Core Freeway Network and High Occupancy Vehicle Facilities
 - WSDOT Identified Chokepoints and Bottlenecks
 - Regional “Key” Arterials
 - Congestion – Transit Operators Input
 - Bicycle/Pedestrian Grade-Separated Trails
 - Regional Freight Movement
 - Roadway Safety
 - Transportation Security and Recovery
 - Programmatic Areas Included in CMP
- **SMART CORRIDORS – EXISTING CONDITIONS REPORT**
 - Corridor Description
 - Existing Congestion and Mobility Conditions



Congestion & Mobility Report: Framework

Congestion and Mobility Existing Conditions Report



S = Safe and Sustainable

M = Multimodal

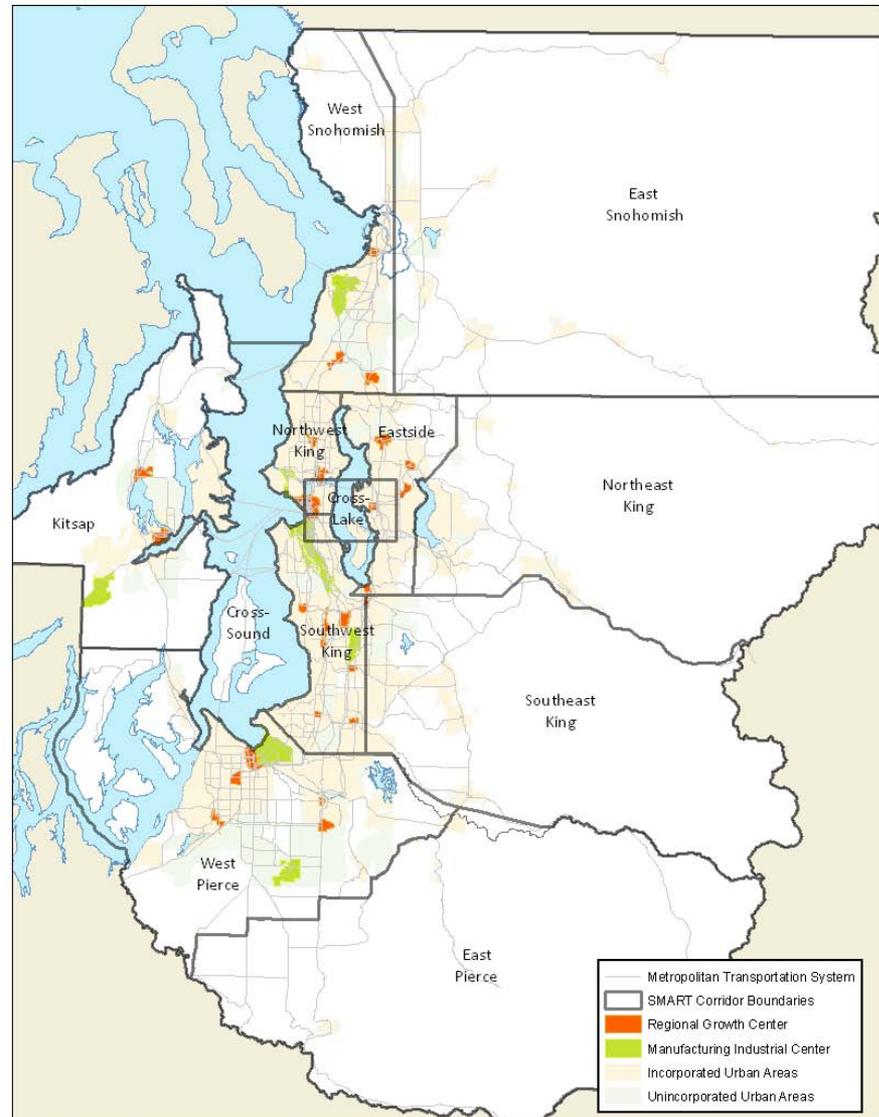
A = Accessible

R = Reliable & Resilient

T = Technology

12 SMART Corridor Subareas

East Snohomish
 West Snohomish
 Kitsap
 East Pierce
 West Pierce
 Cross-Sound
 Cross-Lake
 Northwest King
 Southwest King
 Eastside
 Northeast King
 Southeast King

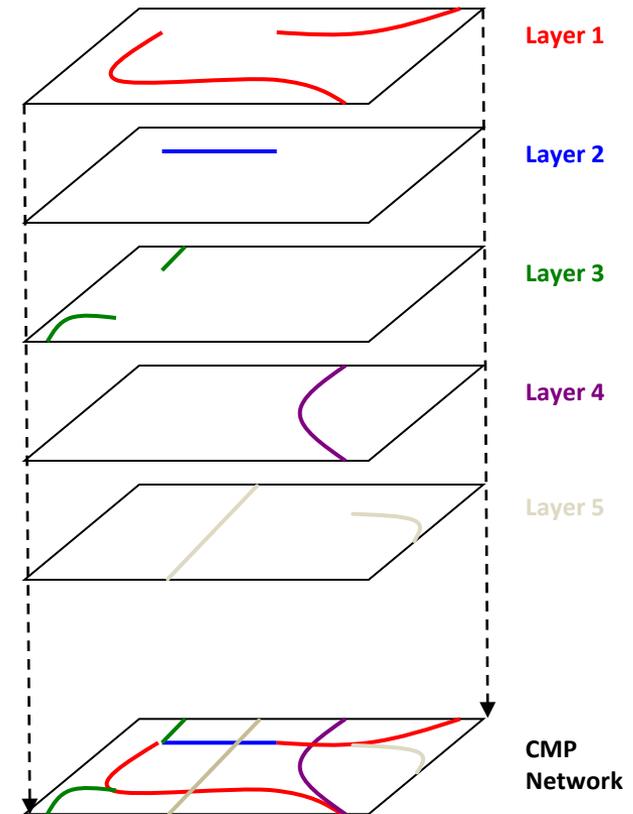


Existing Conditions Information Includes:

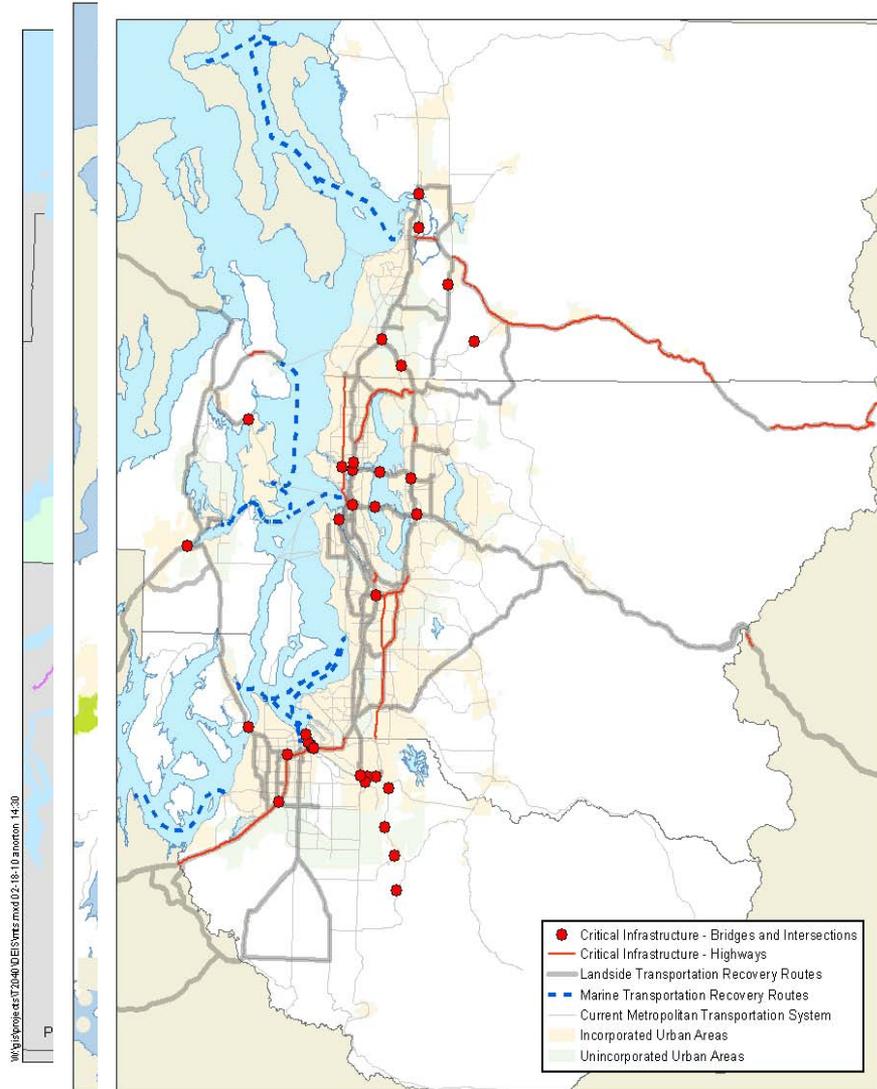
- Descriptions of CMP network in corridor by mode/use
- Land use characteristics
- Major employers and activity centers
- Specific highway bottlenecks & chokepoints
- Avg. pavement conditions by jurisdictions and bridge sufficiency information
- Ferry routes
- Transit congestion descriptions
- Park & Ride utilization
- Transportation Demand Management (TDM) programs
- Transportation System Management (TSM) and ITS descriptions
- Bicycle/Pedestrian facility descriptions
- Important freight facilities
- Serious injury and fatality collision locations (Safety)
- Transportation recovery routes and critical infrastructure (Security)

CMP Monitoring Network Development

- Network on which performance will be reported biennially
- Comprised of:
 - congested facilities,
 - facilities with less-than-optimal performance, or
 - priority corridors for investment
- Developed through extensive outreach & still being refined
- Overlap indicates multiple user groups value the facility

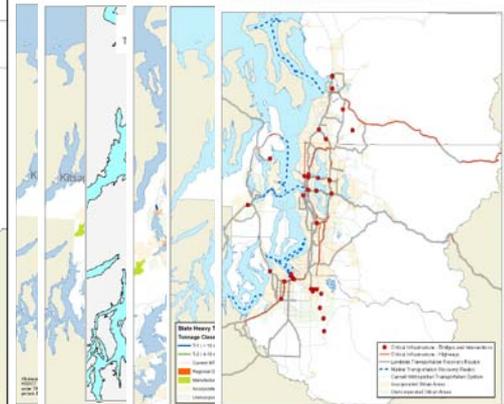


CMP Network Components

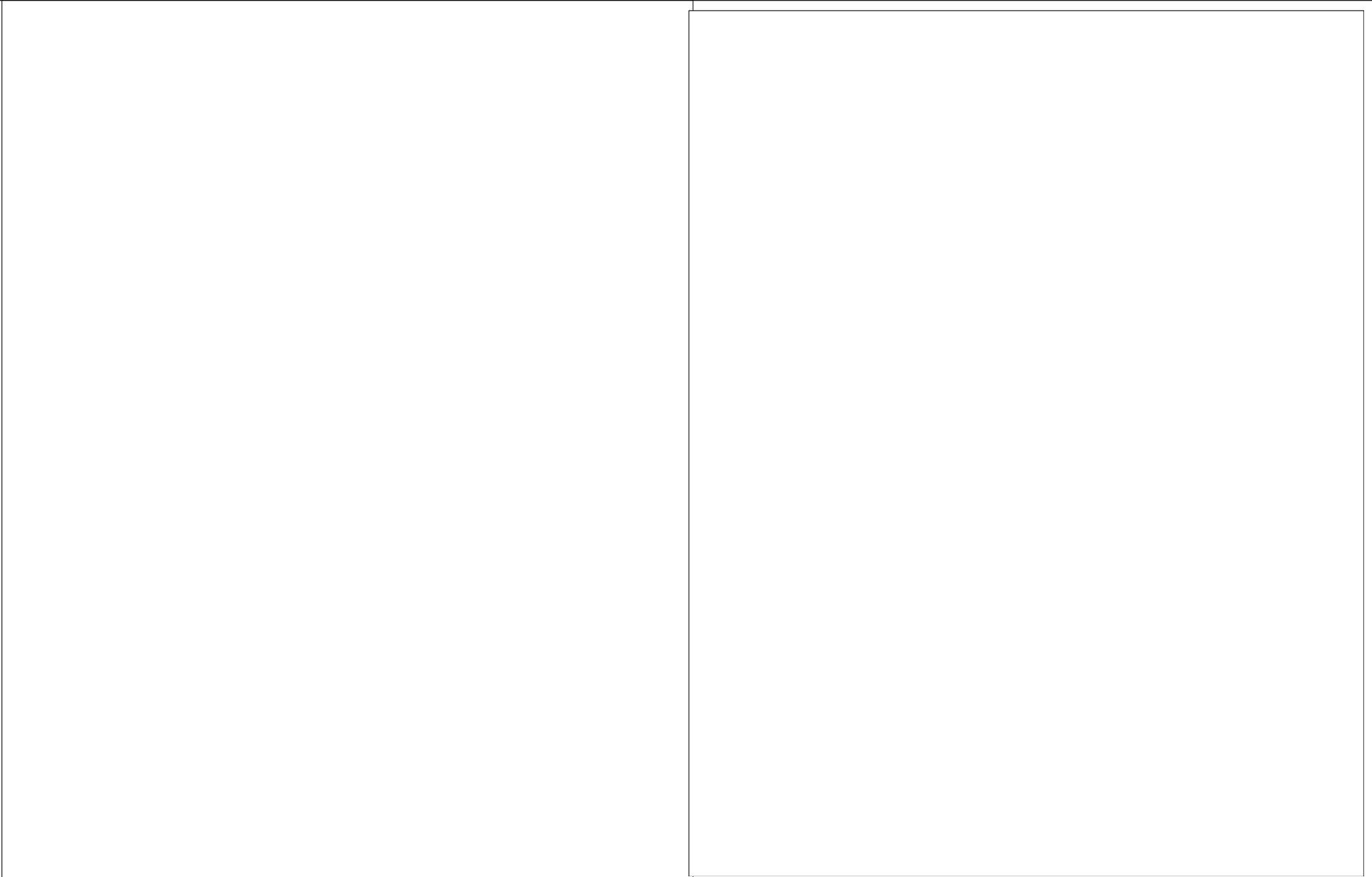


Highway and
 Marine
 Transportation
 System
 Components
 &
 Recovery
 Routes

Recovery Routes



Example Composite CMP Networks





Congestion & Mobility Report: Use of Report

Congestion and Mobility Existing Conditions Report

Serves as the region's Congestion Management Process (CMP)

- Identification of need
- Identification of emerging issues and concepts

A tool for decision-makers that will inform future plan updates, project prioritization, and federal funding cycles

“What do we want to know about our transportation system that can help us during the next planning cycle?”

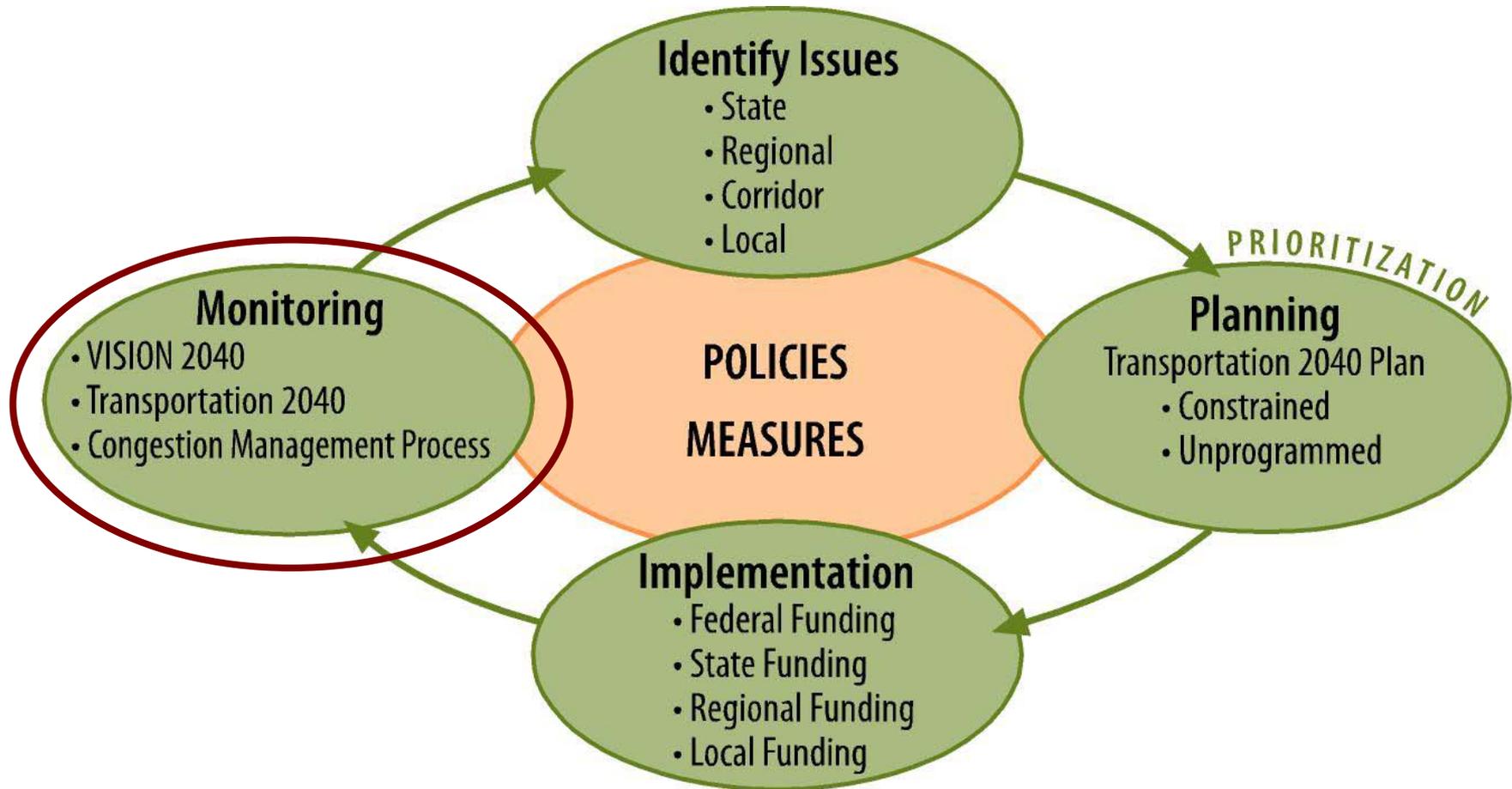
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2010 Existing
Conditions

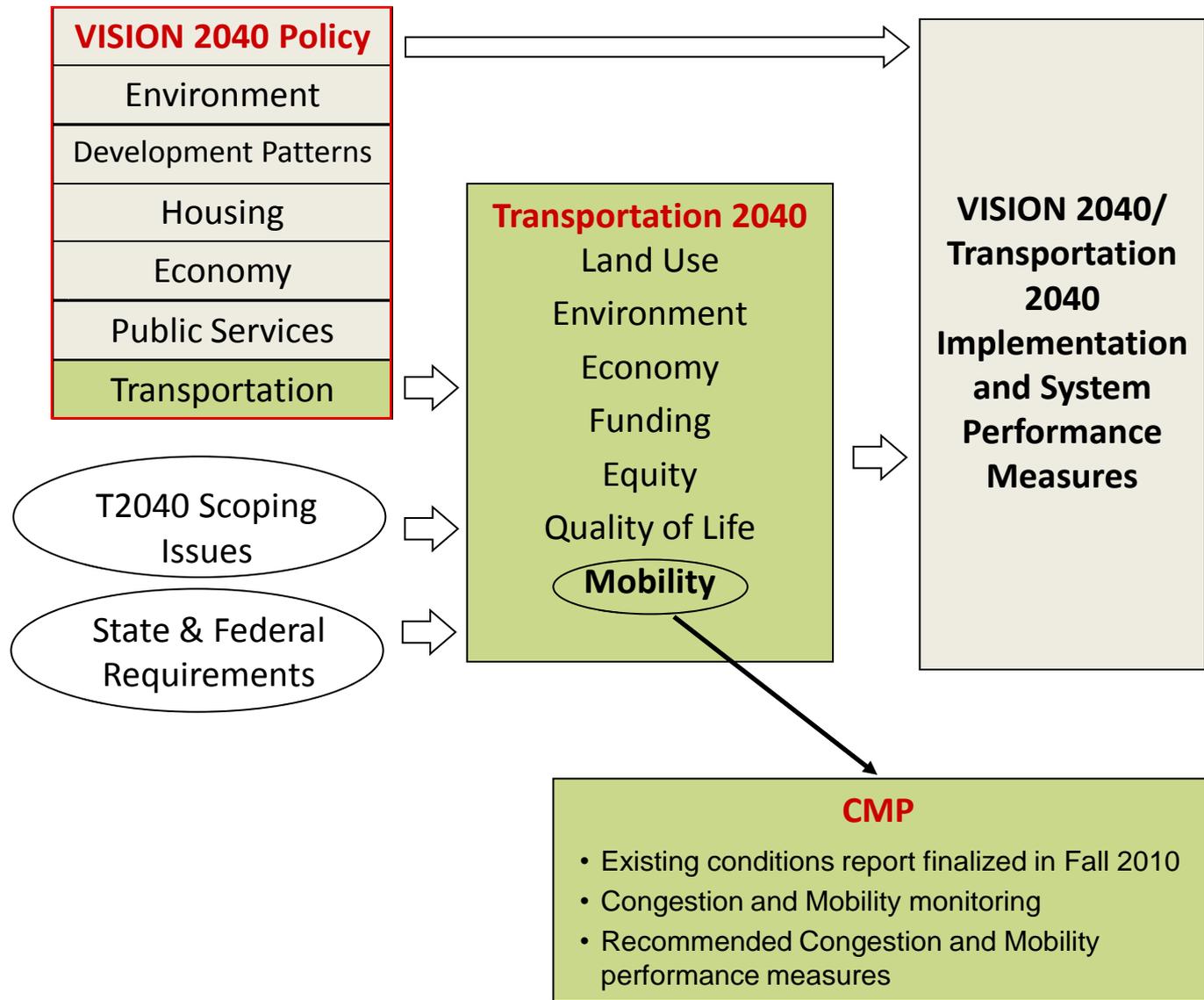


February 2011

Regional Transportation Planning



Relationship to T2040 Monitoring





Congestion & Mobility Report: Next Steps

Congestion and Mobility Report Next Steps

- **Spring 2011** – Begin work on VISION 2040 and Transportation 2040 Monitoring programs
- **Through Spring 2012** – T2040 Prioritization Work

Note: Prioritization discussion will inform performance measures for T2040 monitoring & CMP
- **Spring 2012** – Report on established performance measures in updated Congestion and Mobility Report
- **Summer/ Fall 2012** - Begin update of Transportation 2040

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Comments/Questions?

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