

# Regional Traffic Signal Operations Programs

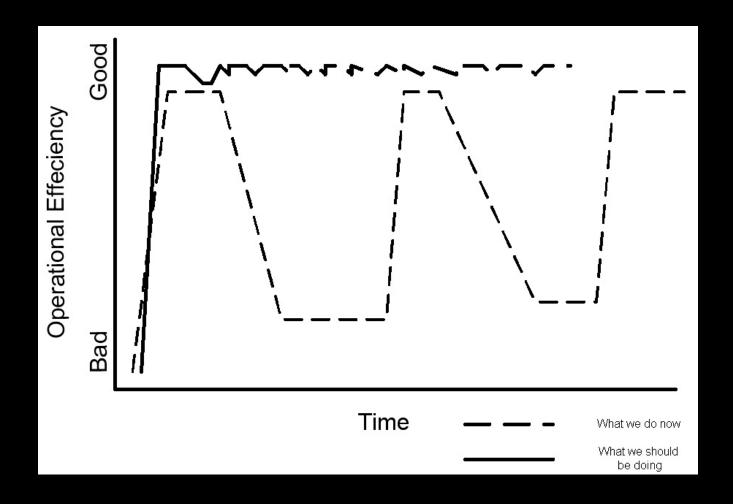
Eddie Curtis, P.E.
FHWA Office of Operations / RC
December 10, 2009







## Typical Traffic Operations







## What Traffic Operations Should Be

Traffic operations is actively:

- Prioritizing objectives
- Collecting information
- Managing resources as the section of t
  - Infrastructure
  - People











## How are we Doing?



	National Traffic Signal
Re	2007
Management	D-
Signal Operation at Individual Intersections	С
Signal Operation in Coordinated Systems	D
Signal Timing Pra	ctices C-
Traffic Monitorin	g F
Maintenance	C-
OVERALL	D





# Traffic Signal Operations Reviews





## **Typical Observations**

- Funding for traffic signal M&O is inadequate
- Little regional consistency exist in the management, design, operations & maintenance practices
- The experience and documentation that exist within the region can be leveraged to improve regional practices.

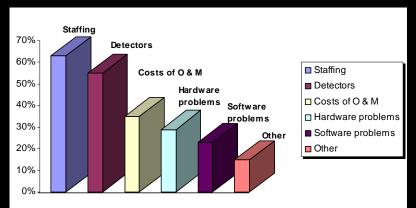






## Resources







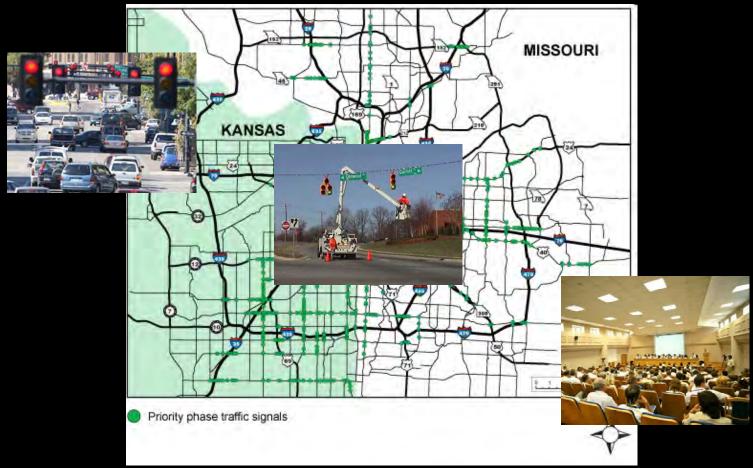








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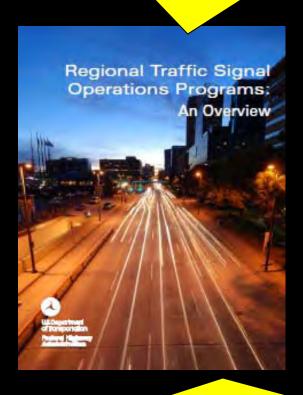




O O Federal Highway Administration
O RESOURCE CENTER
O O



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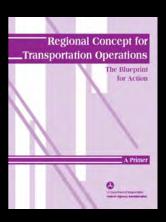








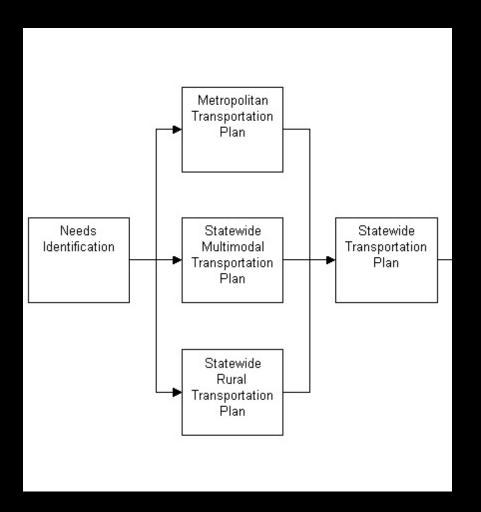








## The Funding Process

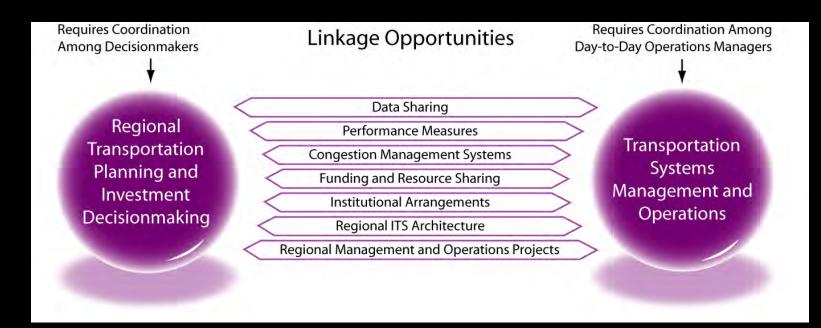








## Planning for Operations







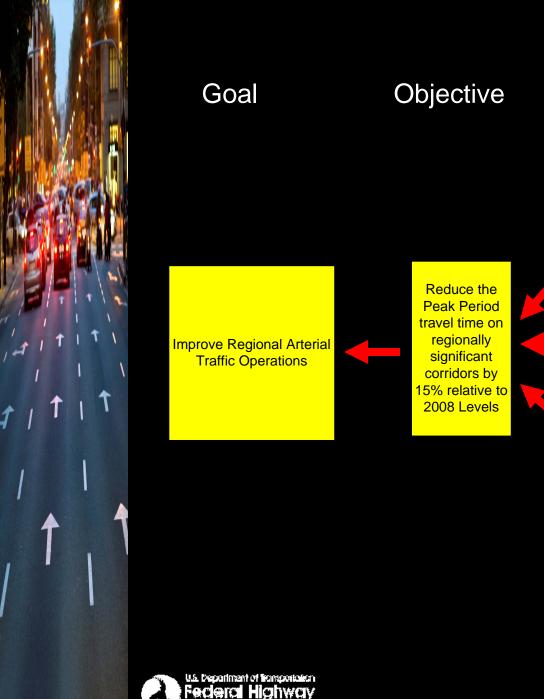
## RCTO Approach

## **SMART Objectives**

- Specific Sufficient to guide approaches
- Measurable Quantitative measurement
- Agreed Upon Consensus among partners
- Realistic Can be accomplished
- Time-bound Identified achievable time-frame





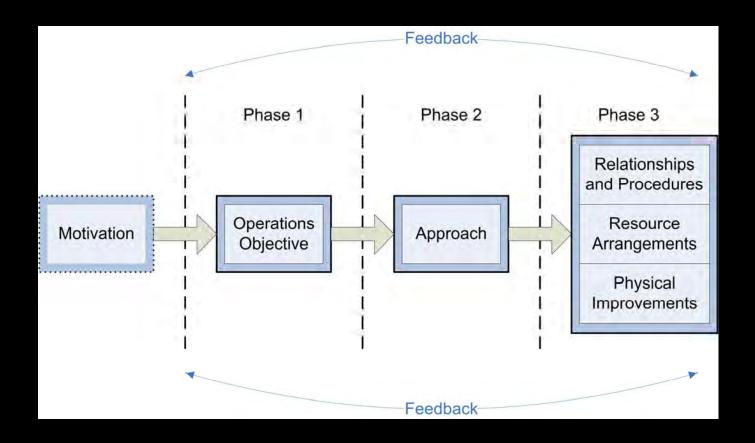


Performance Strategy Measure **Travel Time** from Origin to Destination Delay at Signalized intersections Reduction in the number of Crashes





## **RCTO Process**







## Regions Developing RTSOPs

- Tucson, AZ
- Puget Sound, WA
- Boston, MA
- Atlanta, GA
- Fargo-Moorhead, ND
- Brazos Valley, TX







## Questions?

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