

TRB RTSMO Research Coordination

Regional Transportation Systems
Management and Operations (RTSMO)
Committee

Les Jacobson, Chair

Select RTSMO Committee Goals

- Investigate mechanisms (technical tools, processes, **partnerships**) ...
- Identify and promote opportunities and **innovative techniques** for increasing reliability and predictability
- Advance the state of the art/state of the practice by stimulating **research**
- Identify and champion opportunities for including TSMO practices and strategies in **Connected Vehicle** concepts and programs

Committee Structure

- 13 subcommittees
- Research subcommittee made up of all subcommittee chairs
 - Chaired by Tom Jacobs
- Research topics come from the subcommittees
 - Each subcommittee is responsible for identifying research and synthesis needs

TSM&O Key Trends Through 2017

From RTSMO Strategic Plan

- New technology
- Improved operational data
- New forms of revenue generation
- Advancements in traveler information
 - Especially travel time related
- Identification of operations-based performance measures
- Social trends
 - Shared-use mobility concepts
 - Mobile device apps and social media

Research Related Elements of Committee Plan

- Research Subcommittee focus on generating Research Needs Statements and maintaining RNS database
 - Identify/maintain research directions, results, needs, and gaps
 - Identify research implementation and use
 - Track on-going research
- Partner with other committees
 - NOCoE
- Develop research needs statements
 - TRB Technical Activities Council (TAC), AASHTO STSMO

TSM&O Research Coordination

- Work closely with Freeway Operations
 - Research Circular
 - Freeway Operations survey to identify research priorities
- AASHTO and TRB research coordination
 - Coordinate research needs statements
 - Provide research needs statements to STSMO
 - Identify research sponsors
- Coordination with NOCoE