

# **Transportation Management Center Pooled Fund Study (TMC PFS)**

Advancing the State of Knowledge for TMC  
Operations through Cooperative Research and  
Technology Transfer

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# What is a Pooled Fund Study?

- Allows federal, state, and local agencies and other organizations to combine resources to support transportation research studies
- Value:
  - Addressing National/Regional Issues
  - Greater Stakeholder Participation
  - Leverage Expertise
  - Leverage Funding
  - Broader Dissemination of Results

# Goal of TMC PFS



- Provide a forum to identify & address issues common among TMCs
- To assemble TMC interests to:
  - Identify human-centered and operational issues
  - Suggest approaches to addressing identified issues
  - Initiate and monitor projects intended to address identified issues
  - Provide guidance and recommendations and disseminate results
  - Provide leadership and coordinate with others with TMC interests
  - Promote and facilitate technology transfer related to TMC issues nationally

# Scope of TMC PFS



- TMCs:
  - Freeway & Traffic Management Systems
  - Traffic Signal Control Systems
  - Multi-modal
- Focus Areas for Projects:
  - Improving Day-to-Day Operations of TMCs
  - Enhancing Business Management of TMCs
  - Developing TMCs and Managing Their Evolution
  - Developing and Delivering Roadway and Travel Condition Information
  - Developing, Training, Hiring, and Contracting for TMC Staff and Services
  - Knowledge and Information Sharing

# Membership

- Program Management is administrated by FHWA Research, Development & Technology
- 30 Members:
  - Arizona
  - California
  - Connecticut
  - Delaware
  - FHWA RD&T
  - Florida
  - Georgia
  - Idaho
  - Illinois
  - Indiana
  - Kansas
  - Kentucky
  - Michigan
  - Minnesota
  - Missouri
  - Nebraska
  - Nevada
  - New Jersey
  - New York
  - North Carolina
  - Pennsylvania
  - Rhode Island
  - RTC Southern Nevada
  - Tennessee
  - Texas
  - Utah
  - Virginia
  - Washington
  - Wisconsin
  - I-95 Corridor Coalition

# Project Selection Process

- Annually w/ Consensus of Members:
  - Identify Needs & Issues
  - Develop Project Proposals
  - Prioritize & Select Project Proposals
- Process:
  - Quarterly Conference Calls
  - Project Selection at Annual Meeting
  - Project Teams Formed to Direct Scope, Initiation & Development of Products



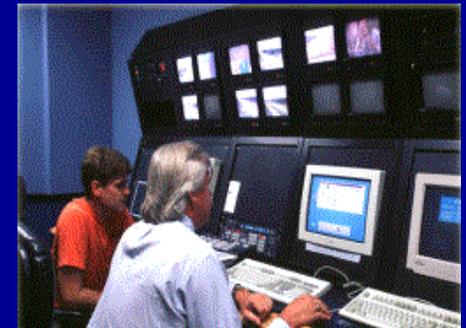
# Highlights of Accomplishment

- TMC Business Planning Handbook
- Developing and Using a Concept of Operations in TMS
- Regional, Statewide, and Multi-state TMC Concept of Operations and Requirements
- Configuration Management for TMS Handbook
- TMC Human Factors Design Guidelines: Requirements Analysis
- TMC Operator Requirements, Position Descriptions & Interactive Software Tool
- TMC Staffing and Scheduling for Day-to-Day Operations



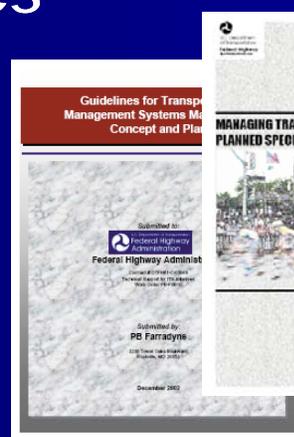
# Highlights of Accomplishment *(Cont.)*

- Handbook for Development a TMC Operations Manual
- CMS Operation & Messaging Handbook
- Managing Travel for Planned Special Events Handbook
- Coordinated Freeway and Arterial Operations Handbook
- Driver Use of Real-Time En-Route Travel Time Information
- TMS Performance Monitoring, Evaluation and Reporting Handbook
- TMS Maintenance Concept & Plans Handbook
- Recovery and Mitigation for TMCs



# TMC PFS Benefits

- Products: Technical Handbooks, Guidelines, Synthesis Reports, Research Reports, Software, etc.
- Newsletter (TMCUpdate): Published Quarterly
- Progress Reports: Highlighting current and future study activities



# Additional Privileges for Members

- Maximized return on investment
- Selection of research to pursue
- Guidance in developing projects and products
- Information sharing through a members-only forum allowing immediate input from practitioners across the country
- Summaries of forum topics highlighting results and lessons learned
- Peer exchanges and round table discussions to learn what other agencies are doing, discuss pressing concerns, and share problem solving experience



# Testimonials

- *"Many times I get a quick turn around request for information on what other states are doing or how we can address this challenge, as a member of the TMC Pooled Fund Study, I can send out an e-mail and get 10 to 15 responses from different states in less than a couple of hours on how they have addressed that same challenge and more importantly what has worked and what has not worked."*  
- Mike Jenkinson, Caltrans
- *"The products and the peer network produced from the TMC Pooled Fund Study have been very helpful for Wisconsin's growth in traffic operation and management. There is much to learn from the National Experts that are a part of this group."*  
- Doug Dembowski, Wisconsin DOT

# Membership



- Who should Join:
  - Any non-commercial agencies/organizations: State DOT's, regional organizations, counties, cities, corridor coalitions, toll, port & turnpike authorities
- How to Join:
  - Join on-line via Transportation Pooled Fund Program website ([www.pooledfund.org](http://www.pooledfund.org)) or contact TMC PFS Administrator
  - Join any time by committing funds at a level agreed upon by existing members
  - Agencies are approved to use 100% State Planning and Research (SP&R) funds

# TMC PFS Information/Contacts:

- For more information:

- Web Site: [tmc\\_pfs.ops.fhwa.dot.gov](http://tmc_pfs.ops.fhwa.dot.gov)
- TMCUpdate: TMC PFS Quarterly Newsletter
- Obtain TMC PFS products or have questions, contact:
  - Ming-Shiun Lee, URS Corp., [ming\\_shiun\\_lee@urscorp.com](mailto:ming_shiun_lee@urscorp.com), 612-373-6335

- FHWA Managers (TMC PFS Administrators):

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- Tom Granda, [thomas.granda@dot.gov](mailto:thomas.granda@dot.gov), 202-493-3365

- Co-Chairs:

- Jim McGee, Nebraska DOR
- Cathy McGhee, Virginia DOT/VTRC