Transportation Management Center
Pooled Fund Study (TMC PFS)

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

- **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
- 20+ Members:
  - Arizona
  - California
  - FHWA
  - Florida
  - Georgia
  - Illinois
  - Kansas
  - Michigan
  - Minnesota
  - Missouri
  - Nevada
  - New York
  - North Carolina
  - Pennsylvania
  - RTC Southern Nevada
  - Tennessee
  - Texas
  - Utah
  - Virginia
  - Washington
  - Wisconsin
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

- Developing and Using a Concept of Operations in TMS
- Regional, Statewide, and Multi-state TMC Concept of Operations and Requirements
- TMC Human Factors Design Guidelines: Requirements Analysis
- Human Factors Guidelines for TMCs
- TMC Operator Requirements, Position Descriptions & Interactive Software Tool
- TMC Staffing and Scheduling for Day-to-Day Operations
Highlights of Accomplishment (Cont.)

- CMS Operation & Messaging Handbook
- TMS Performance Monitoring, Evaluation and Reporting Handbook
- TMS Maintenance Concept & Plans Handbook
- Guidelines for Virtual TMC Development
Current Projects

- Synthesis of Freeway Safety Patrol Best Practices
- Synthesis of Variable Speed Limits operations
- Public Perception of safety and Public Service Announcement Messages on DMS
Projects Selected for Current Fiscal Year

- Capability and Usage Guidelines for Full Matrix Color DMS
- Consideration of Current and Emerging TMC Data
- Roadmap to Address Map-21 Performance Measurements on Highway Operations
- Information and Analysis TMC Staff and Staffing Contracts
TMC PFS Information/Contacts:

- For more information:
  - Web Site: tmcpfs.ops fhwa dot gov
  - Obtain TMC PFS products or have questions, contact:
  - FHWA Managers (TMC PFS Administrators):
    - Jimmy Chu, jimmy.chu@dot.gov, 202-366-3379

- Chair and Co-Chair:
  - John Bassett, NY DOT
  - Paul Keltner, WI DOT