

High Occupancy Vehicle/ Managed Use Land Pooled Fund Study

Background

The Transportation Pooled Fund Program allows federal, state, and local agencies and other stakeholder organizations to combine resources to support transportation research studies. The High Occupancy Vehicle/Managed Use Lane Pooled Fund Study (HOV/MUL PFS) is dedicated to researching the critical program, policy, and technical issues that arise throughout the life cycle of an HOV or MUL facility. The HOV/MUL PFS also provides an opportunity to facilitate the sharing of information and successful practices with a broader audience to advance and improve the current state-of-the-practice related to the management, operation, and performance of HOV and MUL facilities.

The purpose of the HOV/MUL PFS is to initiate projects that address planning, design, implementation, management, and operational issues associated with HOV and MUL facilities. Activities may include research projects, operational tests, preparing technical guidance and recommended practices, developing training, or pursuing technology transfer initiatives.

Members meet in person on an annual basis to select and allocate funding for new projects. They also meet on a quarterly basis by teleconference or webconference.

Research Projects

Topics or examples of issues that might be addressed by the HOV/MUL PFS include:

- HOV/MUL system program and policy issues
- Facility, corridor, and system planning issues and techniques
- Operational policies, procedures, and plans
- Program support services and Transportation Demand Management issues
- Facility and system design
- Performance monitoring, evaluation, and reporting
- Contracting and procurement practices and issues
- Enforcement and traffic incident management
- Marketing and public information outreach

Goals of the HOV/MUL PFS

- ◇ Identify issues that are common among agencies that manage roadway lanes as a tool to reduce congestion and optimize facility usage.
- ◇ Suggest projects and initiatives to advance practice.
- ◇ Select and initiate projects intended to address identified issues.
- ◇ Identify recommendations and potential solutions.
- ◇ Disseminate results.



Recently funded HOV/MUL PFS research projects that have been completed:

- Evaluation of International Applications of Active Traffic Management Lane Control Signing for Use in the United States
- Design and Operations Elements of Dynamic Shoulder Use
- Synthesis of Current Dynamic Pricing Schemes in the United States
- Benefit/Cost Analysis of Value Pricing Projects

New research projects currently being developed by PFS members:

- Synthesis of Operational Aspects and Safety Implications of Reduced Cross-Sectional Elements
- Best Practices for Signing on a Multi-Segment Managed Lanes Network
- Best Practices for Toll Pricing on Multi-Segment Managed Lane Networks
- Operations-based Planning for Managed Lanes Systems
- Marketing to the Public and Political Stakeholders

HOV/MUL PFS Members

Caltrans
Florida DOT
Georgia DOT
Federal Highway Administration
Massachusetts DOT
Minnesota DOT
New York State DOT
Tennessee DOT
Virginia DOT
Washington State DOT



Interested in joining or want more information?

Contact:

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Benefits of the HOV/MUL PFS

The HOV/MUL PFS a way for public agencies and other stakeholder organizations to combine resources and achieve common research goals. Pooling resources reduces marginal costs, provides efficient use of taxpayer dollars, and provides greater benefits to participating PFS members as compared to individual entities conducting research on their own.

The HOV/MUL PFS provides State and local agencies with a rapid response to their needs with targeted, swift research on emergent issues.

Members of the HOV/MUL PFS have the opportunity to recommend and select the research projects that are funded. The HOV/MUL PFS also provides a forum to seek guidance or input from peer agencies when addressing issues or challenges.



Additional Information

HOV/MUL PFS Website
<https://hovpfs.ops.fhwa.dot.gov/index.aspx>

Transportation Pooled Fund Program
<http://www.pooledfund.org/>
The HOV/MUL PFS is Study Number TPF-5(029)

