

HOV Pooled Fund Study

The goal of the HOV Pooled-Fund Study (TPF-5-029) is to assemble regional, state, and local agencies, and the Federal Highway Administration (FHWA) to:

- Identify common issues among agencies
- Suggest projects and initiatives
- Select and initiate projects to address issues
- Disseminate results
- Assist in solution deployment
- Track innovations and practices

HOVpfs.ops.fhwa.dot.gov

Join us!

Membership in the HOV Pooled Fund Study consists of ten states plus the Federal Highway Administration. Any non-commercial agency or organization may join at anytime during the year by committing funds at a level deemed appropriate by the members. Members meet annually to review progress on current projects and to vote on new projects for consideration.

Membership applications are accepted anytime online at: <http://www.pooledfund.org/>



U.S. Department
of Transportation
**Federal Highway
Administration**



U.S. Department
of Transportation
**Federal Highway
Administration**

HOV Pooled Fund Study
c/o Neil Spiller
Federal Highway Administration
400 Seventh Street SW, Room 3404
Washington, DC 20590
USA

HOVpfs

High Occupancy Vehicle Pooled Fund Study

HOV Performance Monitoring, Evaluation, and Reporting Handbook



Performance Monitoring Evaluation and Reporting Handbook

Announcing the HOV Performance Monitoring, Evaluation, and Reporting Handbook

This new handbook from the **HOV Pooled Fund Study** provides a comprehensive guide to monitoring, evaluating, and reporting on the performance of high-occupancy vehicle (HOV) facilities. The handbook is intended to help advance the state-of-the-practice in monitoring and evaluating HOV facilities and to enhance their operation based on the results of these programs.

The handbook is a one-stop reference for transportation professionals responsible for planning, designing, operating, enforcing, monitoring, and managing HOV facilities. It is also of benefit to agency management personnel and policy makers responsible for investment and operational decisions.

Icons provide a user friendly feature of the handbook:

-  Chapter at a Glance
-  Good Ideas
-  Keys to Successful Practices
-  Case Study Examples

Agency Roles in Reporting

- State Department of Transportation
- Public Transportation Agency
- Metropolitan Planning Organization
- Law Enforcement Agencies
- Cities and Counties
- Federal Highway & Transit Administrations

The results of HOV performance programs are of interest to agency technical and management staff, policy makers, federal agencies, the media, and the public. Technical reports, fact sheets, brochures, PowerPoint presentations, Internet sites, and videos and DVDs may all be used to present the results of HOV performance monitoring programs. The handbook identifies reporting methods most appropriate for the different audiences and highlights keys to presenting clear, concise, and targeted information.



The handbook describes each of the steps in the HOV performance monitoring process as illustrated. It presents common objectives for HOV facilities throughout the country and related measures of effectiveness and data requirements.

Data Collection & Analysis Techniques

- HOV facility inventory
- Vehicle and vehicle-occupancy counts
- Travel time and travel speed data
- Average travel time savings
- Trip time reliability
- Bus routes and ridership
- Park-and-ride and park-and-pool lot use
- Surveys, focus groups, and stakeholder interviews
- Crash data
- Occupancy violation rates
- Emission, air quality, and energy consumption

Tips for developing and conducting ongoing performance monitoring programs are presented in this handbook. Additionally, the frequency of data collection, staffing needs, and potential funding sources are described.

Available Resources

The HOV Performance Monitoring, Evaluation, and Reporting Handbook was developed by the Texas Transportation Institute (TTI), a part of the Texas A&M University System. It is available on the HOV Pooled Fund Study website.

Three other handbooks, available in 2006, can help transportation professionals and policy makers plan, design, operate, enforce, and manage HOV facilities:

- **HOV Lane Eligibility Requirements and Operating Hours Handbook**, addressing the

impacts of changes in vehicle eligibility requirements (including low-emission vehicles and toll-based strategies) and operating hours.

- **HOV Lane Safety Considerations Handbook**, identifying safety elements associated with HOV lanes.
- **HOV Lane Enforcement Handbook**, guiding enforcement strategies and techniques, including the use of innovative approaches and advanced technologies.

