

HOV Pooled Fund Study

HOV Lane Performance Monitoring, Evaluation, and Reporting Handbook

Project Presentation



Presentation

- HOV Pooled Fund Study
- Handbook Objectives/Audiences
- Overview of Handbook Chapters
- Other Pooled Fund Study Projects



HOV Pooled Fund Study

Objectives

- Identify Issues Common Among Agencies
- Suggest Projects and Initiatives
- Select and Initiate Projects
- Disseminate Reports
- Assist in Solution Deployment
- Track Innovations and Practices



HOV Pooled Fund Study

Participating State Transportation Agencies

√ California

√ Georgia

√ Maryland

√ Massachusetts

√ Minnesota

√ New Jersey

√ New York

√ Tennessee

√ Virginia

√ Washington

Federal Highway Administration (FHWA)



Handbook Developer

Texas Transportation Institute

The Texas A&M University System

Dr. Katherine F. Turnbull



Project Objectives

- Advance the State-of-the Practice in Monitoring, Evaluating, and Reporting on the Performance of HOV Facilities
- Communicate Benefits of Performance Monitoring and HOV Facilities



Project Deliverables

- HOV Performance Monitoring, Evaluation, and Reporting Handbook
- Outreach Material – Project Fact Sheets, Brochure, Primer, Frequently Asked Questions, PowerPoint Presentations



Audiences

- Handbook – Transportation Professionals Responsible for HOV Facilities
- Outreach Material – Agency Management Personnel and Policy Makers

HOVpfs

High Occupancy Vehicle Pooled Fund Study

HOV Performance Monitoring,
Evaluation, and Reporting
Handbook



Handbook Chapters

- Chapter One – Introduction
- Chapter Two – Executive Summary
- Chapter Three – Developing HOV Performance Monitoring Programs
- Chapter Four – HOV System Objectives, Measures of Effectiveness, and Data Requirements



Handbook Chapters

- Chapter Five – HOV Data Collection
- Chapter Six – Data Reduction and Analysis Techniques
- Chapter Seven – Conducting Ongoing HOV Performance Monitoring Programs
- Chapter Eight – HOV Performance Reporting
- Chapter Nine – Case Studies



Handbook Appendices

- Appendix A – References and Additional Resources
- Appendix B – Glossary of Terms
- Appendix C – List of Abbreviations
- Appendix D – Agency Contacts



Handbook Features



Highlights Chapter at-a-Glance



Highlights Good Ideas



Handbook Features



Highlights Keys to Successful Practices

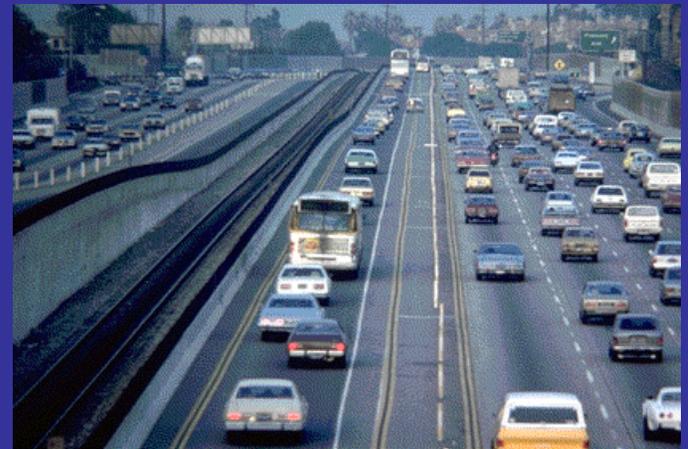


Highlights Case Study Examples



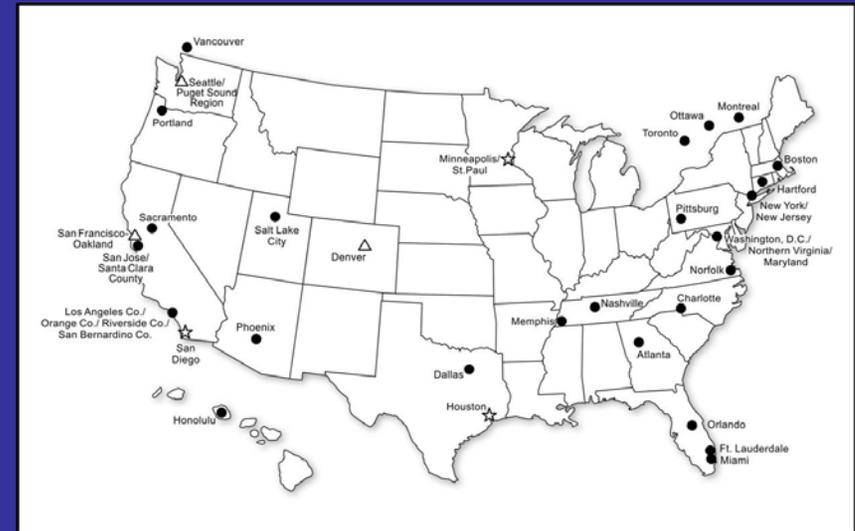
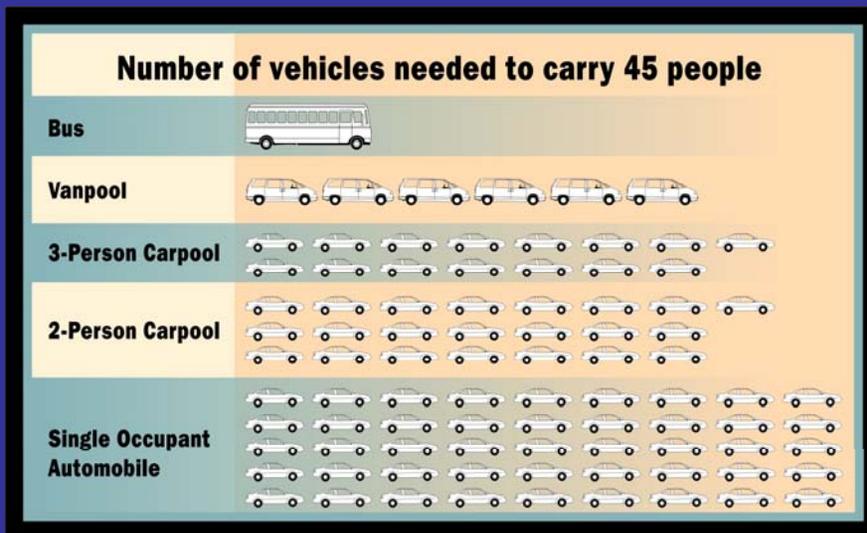
Chapter One – Introduction

- Welcome
- Handbook Features
- Chapters-at-a-Glance



Chapter Two – Executive Summary

- Defining HOV Facilities
- Key Points of Each Chapter



Chapter Three – Developing HOV Performance Monitoring Programs

- Federal Interest in HOV Performance Monitoring
- Uses and Benefits of HOV Performance Monitoring
- Transportation Plans and HOV Systems
- Agencies Involved
- HOV Performance Monitoring Process



Chapter Four – HOV System Objectives, Measures of Effectiveness, and Data Requirements

- HOV Objectives and Measures of Effectiveness (MOEs)
- HOV Performance Data Requirements



Chapter Five – HOV Data Collection

- HOV Facility Inventory
- Vehicle and Vehicle-Occupancy Counts
- Travel Time and Travel Speed
- Bus Routes and Ridership
- Park-and-Ride and Park-and-Pool Lot Use
- Violation Data
- User and Non-User Surveys
- Crash Data
- Emissions and Air Quality
- Cost-Benefit Data



Chapter Six – HOV Data Reduction and Analysis Techniques

- Data Reduction, Storage, and Management
- Analysis Techniques



Chapter Seven – Conducting Ongoing HOV Performance Programs

- Developing a Data Collection Program
- Frequency of Data Collection
- Potential Funding Sources
- Staffing and Resources



Chapter Eight – HOV Performance Reporting

- Stakeholder Information Needs and Reporting Methods
- HOV Performance Reporting Methods



Chapter Nine – Case Studies

- Seattle/Washington State
- Los Angeles
- Northern Virginia
- Houston
- Minneapolis
- San Diego



Other HOV Pooled Fund Study Projects

- HOV Eligibility Requirements and Operating Hours Handbook
- HOV Lane Safety Considerations Handbook
- HOV Lane Enforcement Handbook
- HOV Inventory



HOV Pooled Fund Study

Project Website

<http://hovpfs.ops.fhwa.dot.gov/index.cfm>

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