HOV Pooled-Fund Study

HOV Facility Inventory and Clearinghouse

Project Presentation

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Presentation

- HOV Pooled-Fund Study
- Clearinghouse Objectives/Audience
- Overview of Clearinghouse and Inventory
- Other HOV 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)

Website Developer

URS Corporation

- Jeff Benson
- Dr. Ming-Shiun Lee

URS

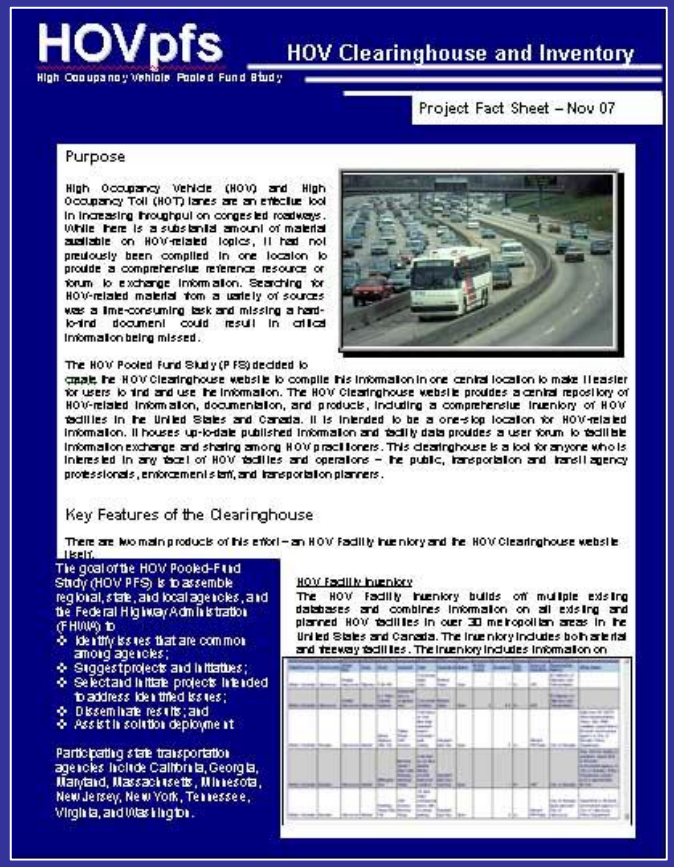
Project Objectives

- Develop a comprehensive and interactive database of HOV facilities in North America and American territories

- Develop a web-based repository of HOV-related documents and products

Project Deliverables

- HOV Facility Inventory
- HOV Clearinghouse Website
- Outreach Material – Project Fact Sheet, Frequently Asked Questions, PowerPoint Presentation



HOVpfs

High Occupancy Vehicle Pooled Fund Study

HOV Clearinghouse and Inventory

Project Fact Sheet – Nov 07

Purpose

High Occupancy Vehicle (HOV) and High Occupancy Toll (HOT) lanes are an effective tool in increasing throughput on congested roadways. While there is a substantial amount of material available on HOV-related topics, it had not previously been compiled in one location to provide a comprehensive reference resource or forum to exchange information. Searching for HOV-related material from a variety of sources was a time-consuming task and missing a hard-to-find document could result in critical information being missed.

The HOV Pooled Fund Study (PFS) decided to create the HOV Clearinghouse website to compile this information in one central location to make it easier for users to find and use the information. The HOV Clearinghouse website provides a central repository of HOV-related information, documentation, and products, including a comprehensive inventory of HOV facilities in the United States and Canada. It is intended to be a one-stop location for HOV-related information. It houses up-to-date published information and facility data provides a user forum to facilitate information exchange and sharing among HOV practitioners. This clearinghouse is a tool for anyone who is interested in any facet of HOV facilities and operations – the public, transportation and transit agency professionals, enforcement staff, and transportation planners.

Key Features of the Clearinghouse

There are two main products of this effort – an HOV Facility Inventory and the HOV Clearinghouse website itself.

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

- Identify issues that are common among agencies;
- Suggest projects and initiatives;
- Select and initiate projects intended to address identified issues;
- Disseminate results; and
- Assist in solution deployment

Participating state transportation agencies include California, Georgia, Maryland, Massachusetts, Minnesota, New Jersey, New York, Tennessee, Virginia, and Washington.

HOV Facility Inventory

The HOV Facility Inventory builds off multiple existing databases and combines information on all existing and planned HOV facilities in over 30 metropolitan areas in the United States and Canada. The inventory includes both arterial and freeway facilities. The inventory includes information on

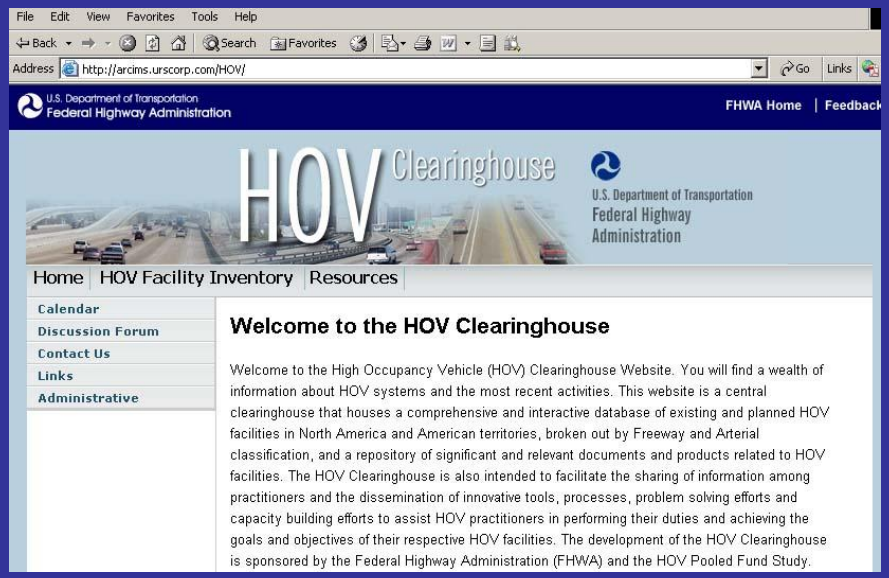
Audiences

- Clearinghouse and Inventory – Transportation Professionals Responsible for HOV Facilities and the Public
- Outreach Material – Agency Management Personnel and Policy Makers

Clearinghouse Overview

Access the Clearinghouse from
http://hovpfs.ops.fhwa.dot.gov/cfprojects/new_detail.cfm?id=50&new=0

- Top Menu
  - Home
  - Facility Inventory
  - Resources
  - Calendar
  - Discussion Forum
  - Contact
  - FAQs
  - Links
  - Administrative



Inventory

- Consolidated existing databases
- Includes existing and planned facilities
- Includes highway and arterial facilities
- Includes US, US Territories, and Canada

Inventory Data

- Location/Route Information
  - State/Province (e.g. North Carolina)
  - City/County (e.g. Charlotte/Mecklenburg)
  - Urban Area (e.g. Charlotte)
  - Road (e.g. I-77)
  - Segment (e.g. I-277 to I-485)

- Facility Information
  - Type (e.g. Concurrent flow)
  - Separation (e.g. Pavement markings)
  - Intermediate Access (e.g. Continuous)
  - Date Opened (e.g. 2004)
  - Status (e.g. Open)

Inventory Data *(cont.)*

- Facility Information (cont.)
  - No. of HOV Lanes
  - No. of General Purpose Lanes
  - Length (in km and miles; and in lane-km and lane-mile)
  - Eligibility (HOV, Toll, Motorcycle, Taxi, Special Fuel, Others)
  - Hours of Operations
  - Changes Since Opening

- Volumes
  - HOV Peak Hour Volumes (by AM and PM Peaks, and by Carpool, Bus, and Others)
  - HOV Peak Hour Persons (by Carpool, Bus, and Others)
  - Peak Hour Volumes in GP Lanes

Inventory Data *(cont.)*

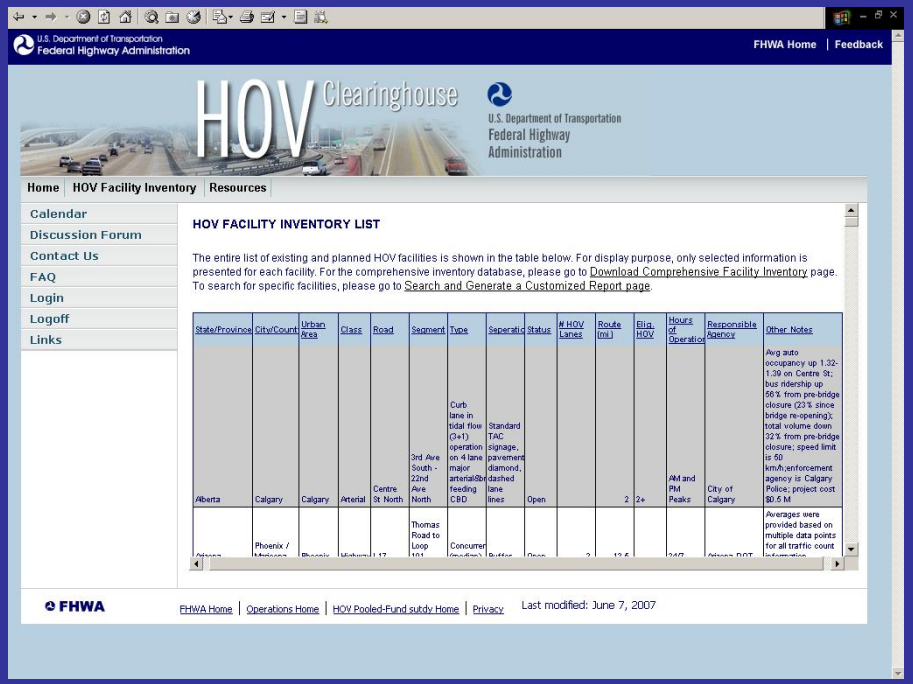
- Violation and Fines
  - Peak Hour HOV Lane Violators and Violation Rate
  - Violation Penalty
  - Fine Revenue

- Other Information
  - Peak Hour Travel Time Savings in HOV Lane
  - Responsible Agency
  - Internet Site
  - Agency Contact
  - Other Notes

Inventory – Data View

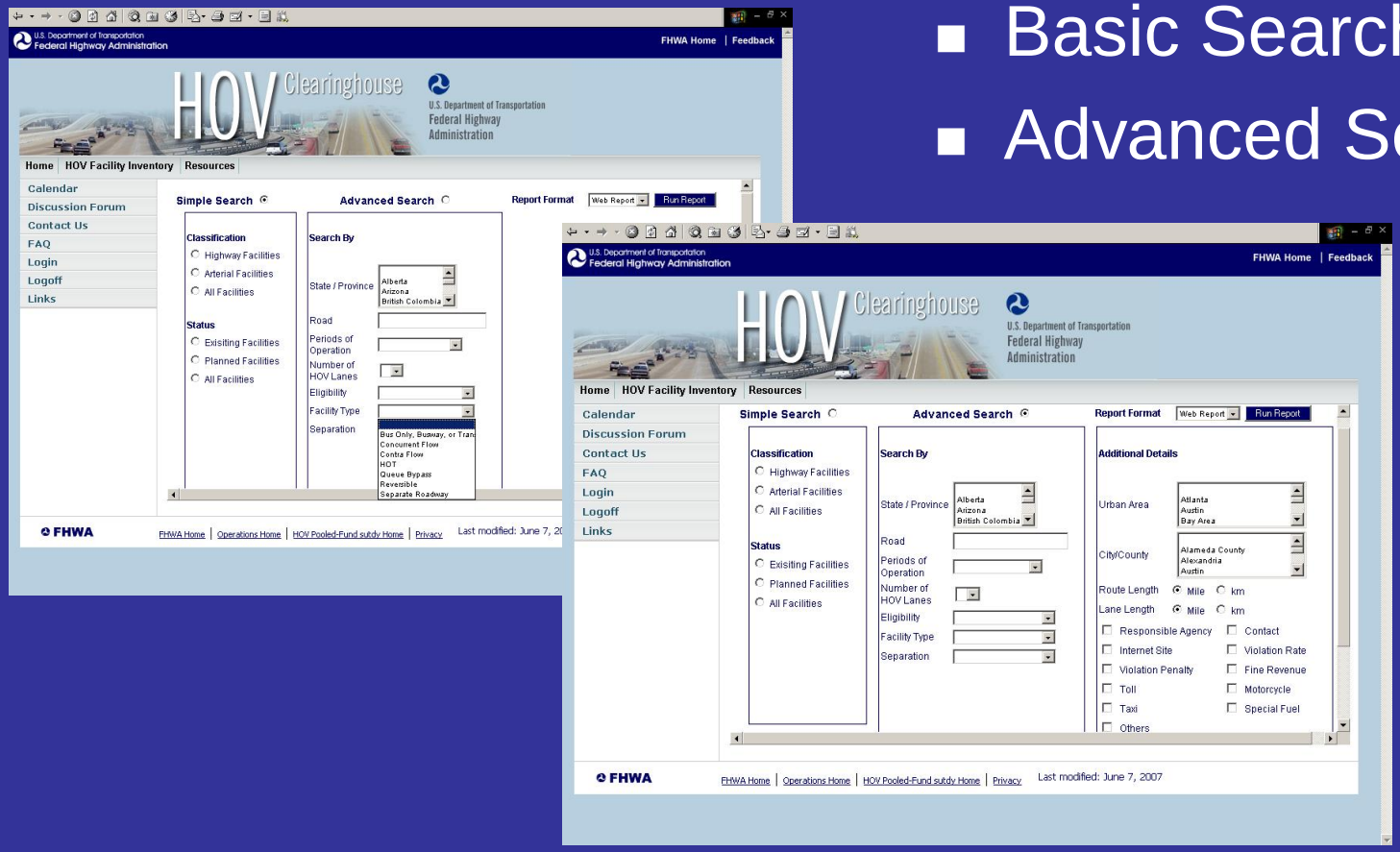
Ways to access inventory information

- View HOV facility list
- Download database
- Customize report



Arizona	Phoenix / Maricopa	Phoenix	I-17	Thomas Road to Loop 101	Concurrent (median)	Buffer	No
Arizona	Phoenix / Maricopa	Phoenix	US 60	I-10 to Val Vista Drive	Concurrent (median)	Buffer	No
Arizona	Phoenix / Maricopa	Phoenix	SR 51	I-10 to Shea Blvd	Concurrent (median)	Buffer	No
Arizona	Phoenix / Maricopa	Phoenix	Loop 202	I-10/SR 51 T.I to Loop 101/Loop 202 T.I.	Concurrent (median)	Buffer	No
British Colombia	Vancouver	Greater Vancouver	H-1 Trans Canada Highway	Grandview Hwy to Lougheed Hwy	Concurrent (median)	Painted stripe	Yes
British Colombia	Vancouver	Greater Vancouver	H-99 NB		Concurrent (right side)	Painted stripe	
British Colombia	Vancouver	Greater Vancouver	H-99 SB		Concurrent (right side)	Painted stripe	
California	Alameda County	Bay Area	I-80 WB	Bay Bridge Toll Plaza	Concurrent (median)	Painted stripe	

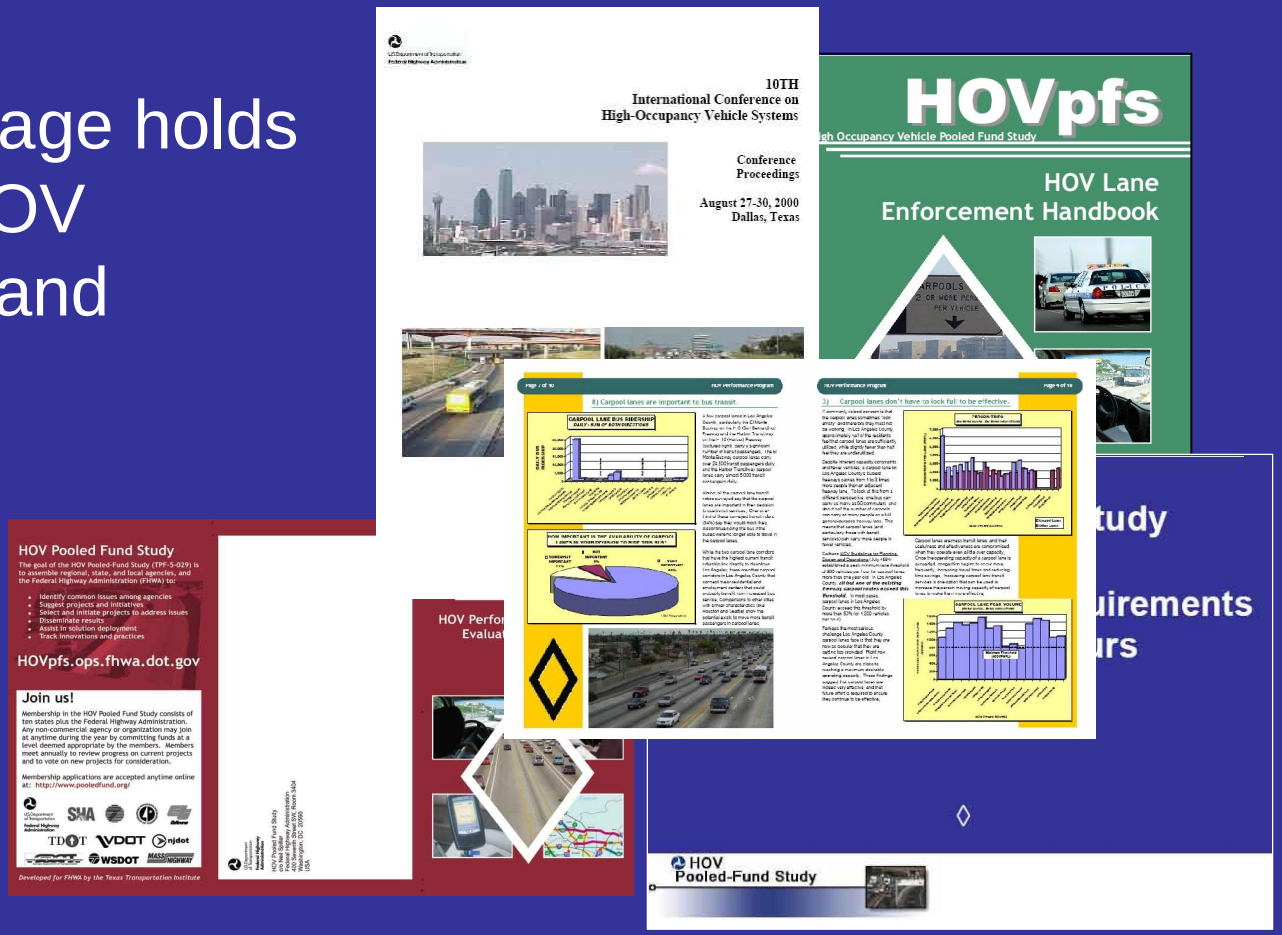
Inventory – Customized Report



- Basic Search
- Advanced Search

Other Clearinghouse Features

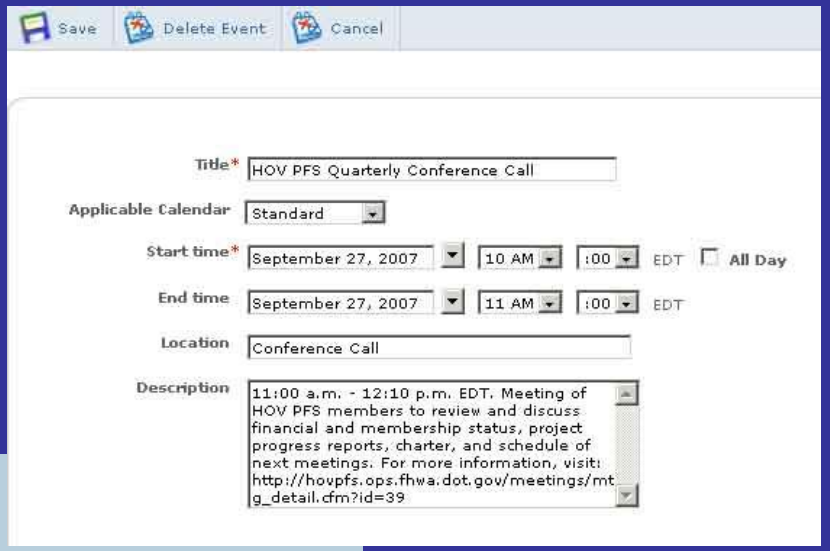
- Resource Page holds variety of HOV documents and products



HOV
Pooled-Fund Study

Other Clearinghouse Features *(cont.)*

- Calendar
- Discussion Forum



Other Clearinghouse Features *(cont.)*

- FAQ
- Links
- Login

Other HOV Pooled-Fund Study Projects

- HOV Lane Performance Monitoring, Evaluating, and Reporting Handbook
- HOV Lane Safety Considerations Handbook
- HOV Lane Enforcement Handbook
- HOV Lane Eligibility Requirements and Operating Hours Handbook
- Automated Vehicle Occupancy Technologies Study
- Implications of Pricing on Existing HOV Lanes

HOV Pooled-Fund Study

Website

- http://hovpfs.ops.fhwa.dot.gov

Contact Information

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