

Highway Information Seminar

November 2011

THE OFFICE OF HIGHWAY POLICY INFORMATION

WHO WE ARE

FHWA Office of Highway Policy Information
David Winter, PE

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graph TD; A["FHWA Office of Highway Policy Information  
David Winter, PE"] --> B["Recovery Act and Highway Funding  
Chris Allen"]; A --> C["Motor Fuel and Tax Evasion  
Ralph Erickson"]; A --> D["Highway System Performance  
Ralph Gillmann"]; A --> E["Travel Monitoring and Surveys  
Tianjia Tang, PE."];
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**Recovery Act and
Highway Funding**

Chris Allen

**Motor Fuel and
Tax Evasion**

Ralph Erickson

**Highway System
Performance**

Ralph Gillmann

**Travel Monitoring
and
Surveys**

Tianjia Tang, PE.

OUR MISSION

Our mission is to support the development of various policies, legislation, and programs to enhance our transportation system through efficient and effective data collection and analysis on the physical, operational, and financial conditions of our transportation system.

OUR DATA PROGRAMS

- × Motor Fuel
- × Highway Performance Monitoring System
- × Traffic Monitoring
- × Highway Finance
- × Driver Licensing
- × Motor Vehicle Registration
- × National Household Travel Survey
- × Toll Facilities
- × Tax Evasion
- × Recovery Act Data System

KEY FHWA BUSINESS USES

- ✘ Apportionment of Federal-aid Funds
- ✘ Performance Measurement
- ✘ FHWA Reports
- ✘ Development of new programs and initiatives

APPORTIONMENT

- ✘ Process for Distributing Highway Trust Fund (HTF) dollars to States
- ✘ Legislated by formula
- ✘ Driven by data submitted by State data providers

MAJOR PROGRAMS APPORTIONED USING DATA SUBMITTED TO OHPI

- ✘ Interstate Maintenance
- ✘ National Highway System
- ✘ Surface Transportation Program
- ✘ Equity Bonus

APPORTIONMENT FACTORS

Interstate Maintenance

- ✘ 1/3 based on lane miles of I-System open to Traffic
- ✘ 1/3 based on VMT on I-System open to Traffic
- ✘ 1/3 based on State's annual contributions to the Highway Account of the HTF attributable to commercial vehicles

National Highway System

- ✘ 25% based on total lanes miles of principal arterials
- ✘ 35% based on VMT on principal arterials
- ✘ 30% based on diesel fuel used on highways
- ✘ 10% based on total lanes miles of principal arterials per capita

APPORTIONMENT FACTORS (CONT.)

Surface Transportation Program

- ✘ 25% based on total lane miles of Federal-aid highways
- ✘ 40% based on VMT on lanes on Federal-aid highways
- ✘ 35% based on estimated tax payments attributable to highway users in the States into the Highway Account of the HTF

Equity Bonus

- ✘ Specified Percentage
 - + 2005 & 2006 – 90.5%
 - + 2007 – 91.5%
 - + 2008 & 2009 – 92%
- ✘ \$38 billion over 5 years

APPORTIONMENTS DETERMINED BY OHPI DATA

Highway Program	FY 2009 Funding (in Billions)	HPPI Share	HPPI Determined (in Billions)
Interstate Maintenance	\$5,199	100%	\$5,199
National Highway System	\$6,307	100%	\$6,307
Surface Transportation Program	\$6,577	100%	\$6,577
Highway Safety Improvement Program	\$1,296	60%	\$777.6
Recreational Trails Program	\$85	50%	\$42.5
Equity Bonus	\$9,093	100%	\$9,093
Total	\$28,557		\$27,996.1

PERFORMANCE MEASURES

- ✘ FHWA program offices or “goal champions” determine performance measures
- ✘ OHPI role is to help determine availability and suitability of existing data for use
- ✘ Want to avoid multiple data collections of same data
- ✘ Our emphasis is “collect once, use often”

PERFORMANCE MEASURES

- ✘ Highway-Related Fatalities per 100 Million VMT
- ✘ Highway-Related Injuries per 100 Million VMT
- ✘ % of VMT on NHS with $IRI \leq 170$
- ✘ % of STRAHNET Miles with $IRI \leq 170$
- ✘ Annual Hours of Delay
- ✘ Congested Travel

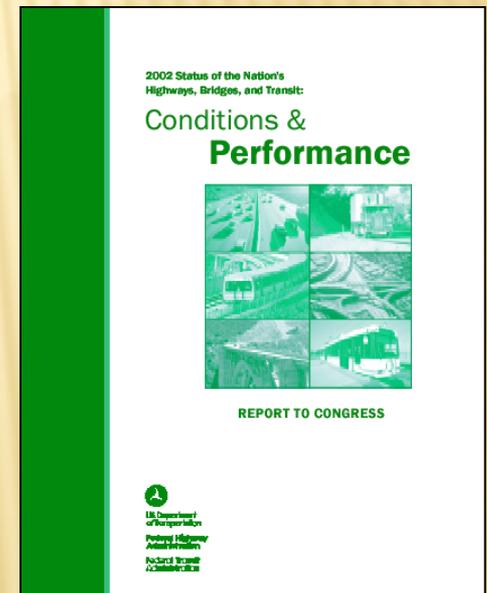
FHWA REPORTS

- × To Congress
- × To U.S. DOT
- × Office publications
- × Monthly trend reports
- × Recovery Act reports

REPORTS TO CONGRESS

Conditions & Performance Report

- ✘ Extent of System
- ✘ Roadway Condition
- ✘ System Performance
- ✘ Funding Sources
 - + Federal, State, Local, Other
- ✘ Expenditures by:
 - + Improvement Type & Funding Source



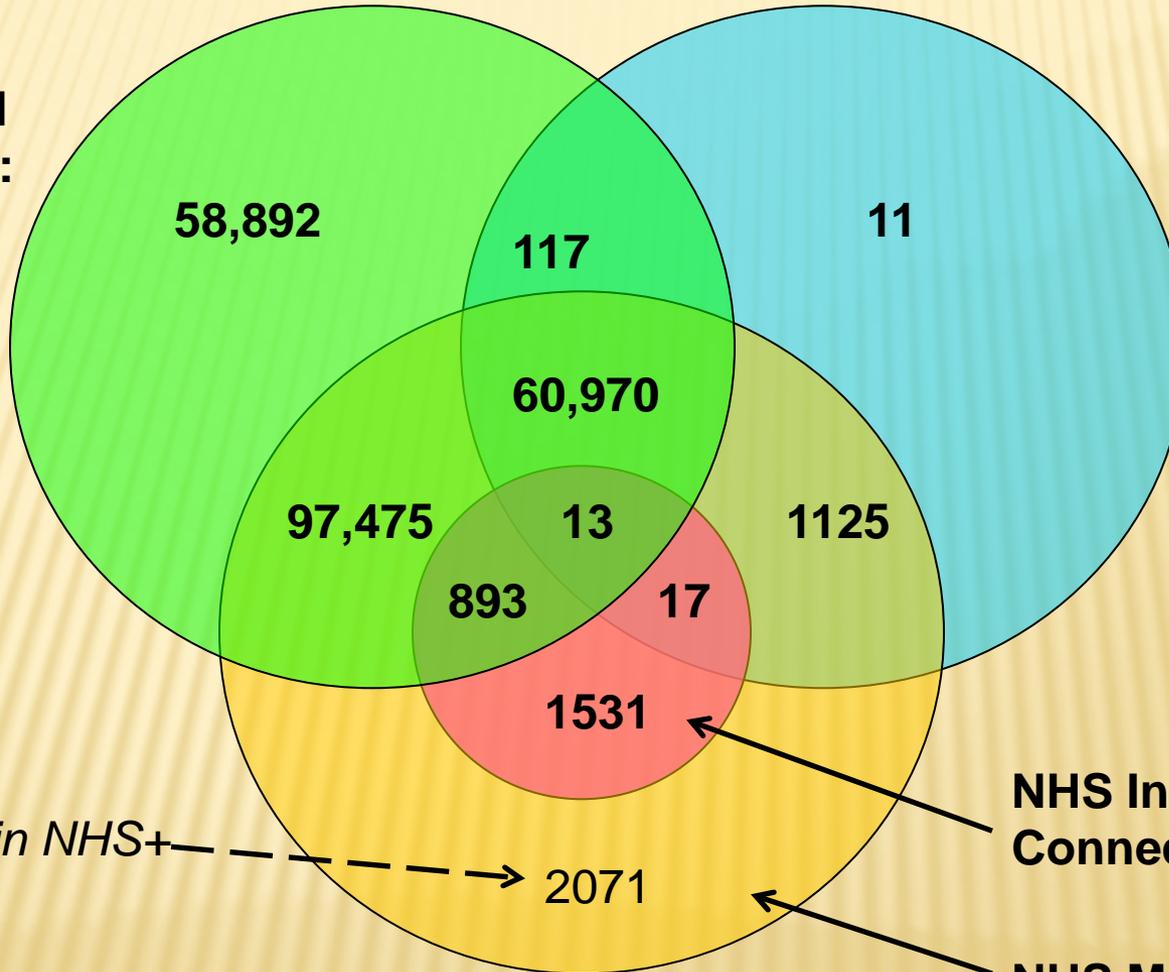
REPORTS TO U.S. DOT

- ✘ Typically short-notice special reports on a wide variety of topics
 - + Used to inform program and policy discussions
 - ✘ Present ideas
 - ✘ Study impacts
 - + Respond to special requests
- ✘ Information usually presented as a chart or map

NHS+ COMPONENTS

**Principal
Arterials:
218,360**

**STRAHNET:
62,253**



**NHS+:
221,044**

**NHS Intermodal
Connectors: 2,454**

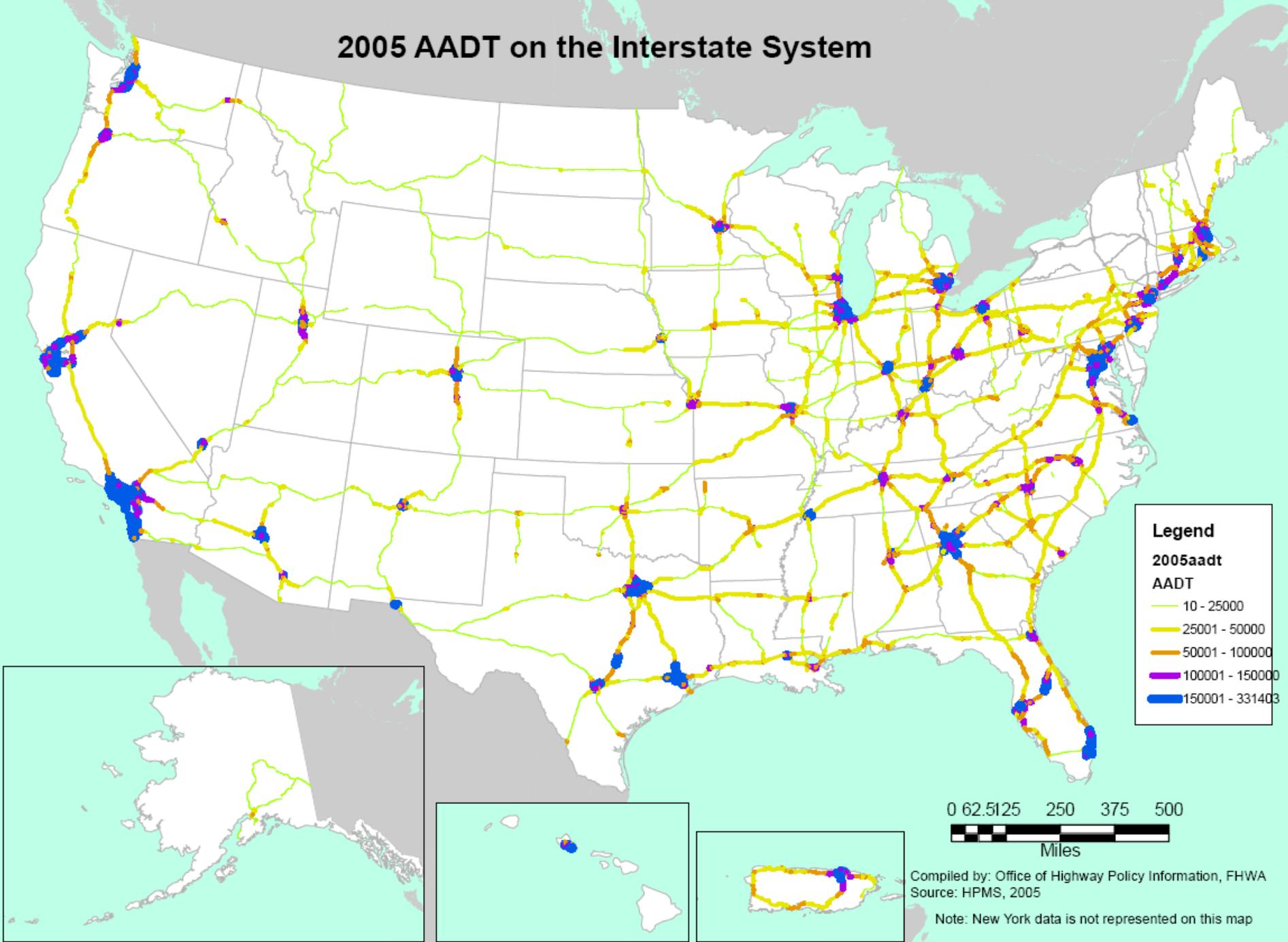
**NHS Mainline:
161,641**

Not in NHS+ → 2071

*Route Miles from
2008 HPMS*

NHS: 164,095

2005 AADT on the Interstate System



Legend

2005aadT

AADT

- 10 - 25000
- 25001 - 50000
- 50001 - 100000
- 100001 - 150000
- 150001 - 331403

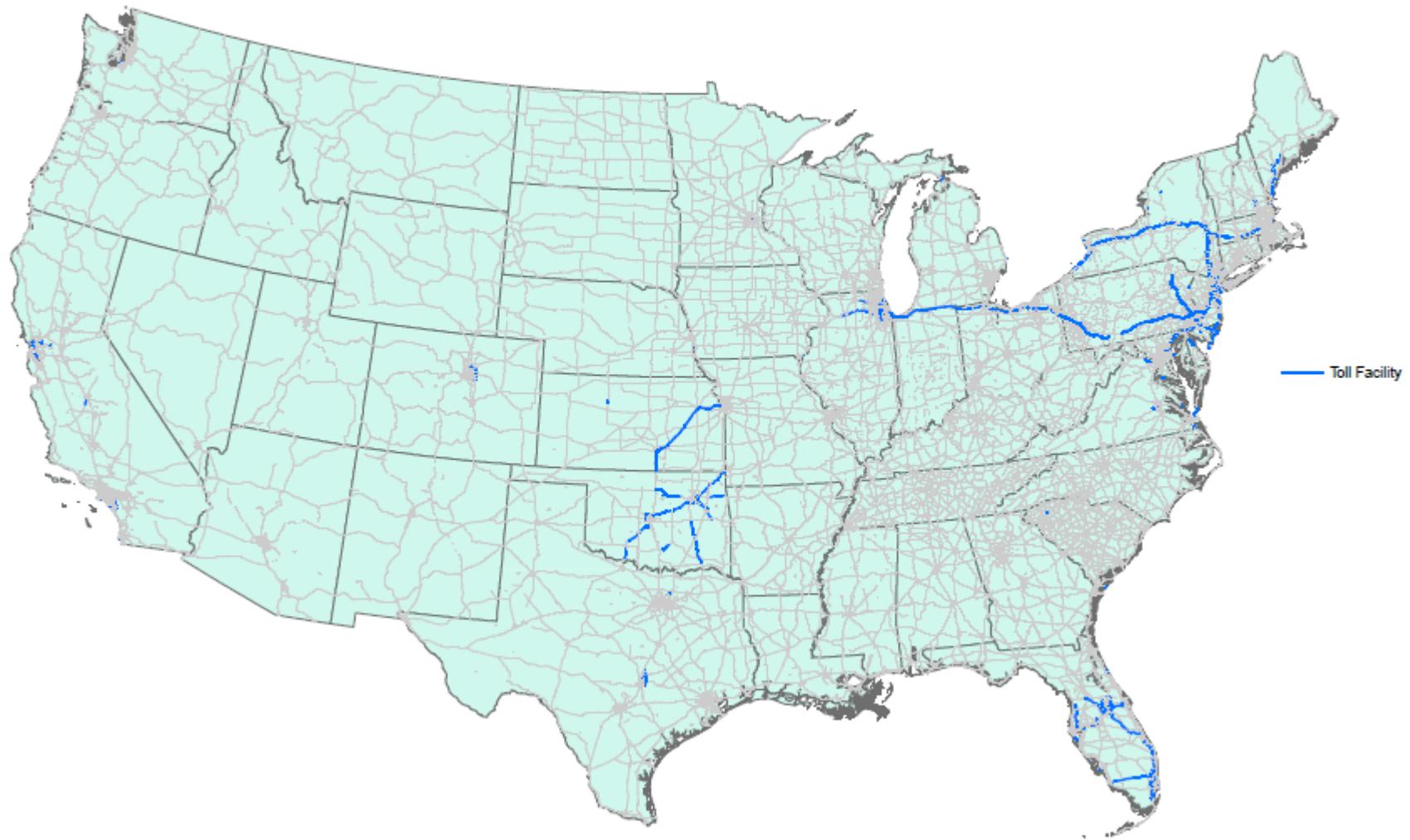


Compiled by: Office of Highway Policy Information, FHWA
Source: HPMS, 2005

Note: New York data is not represented on this map

U.S. Principal Arterial System Toll Facility Locations

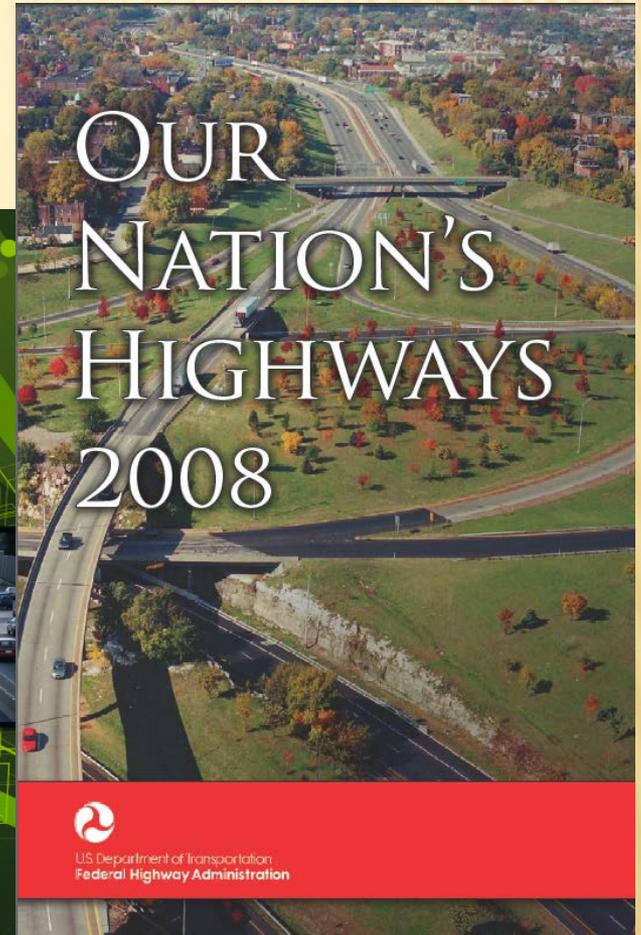
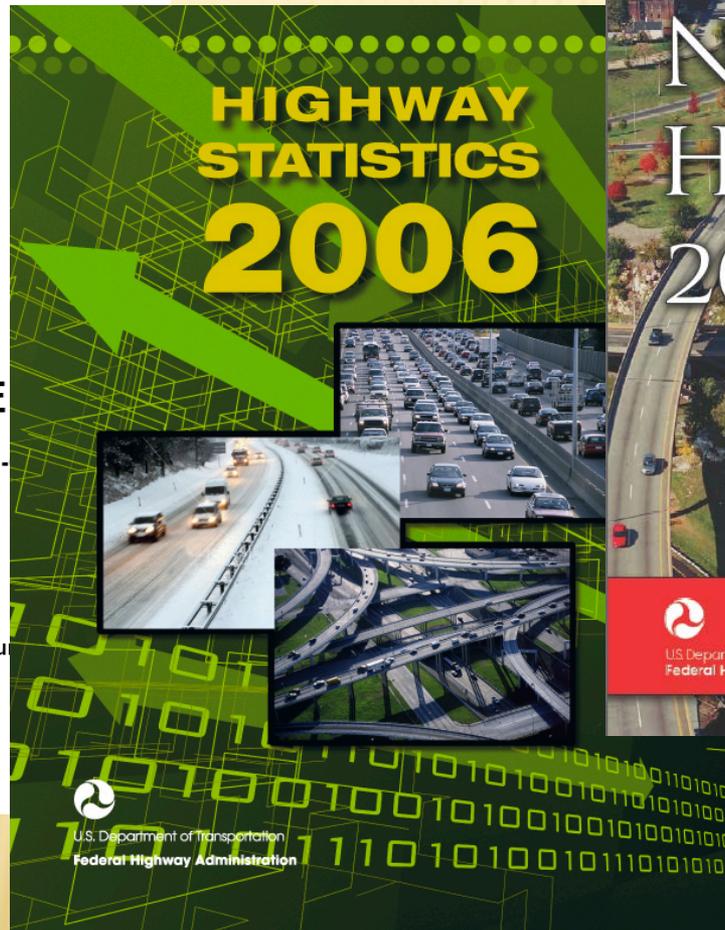
Source: Highway Performance Monitoring System
Compiled by: Office of Highway Policy Information
Federal Highway Administration, U.S. DOT



OFFICE PUBLICATIONS

**2001
NATIONAL
HOUSEHOLD
TRAVEL
SURVEY**

USER'S GUIDE
January 2004 (Version 3)
(National Sample with Add-



MONTHLY REPORTS



U. S. Department
of Transportation
**Federal Highway
Administration**
Office of Highway
Policy Information
Created On: 6/24/2008

MONTHLY MOTOR FUEL REPORTED BY STATES

JANUARY 2008

**NATIONAL GASOLINE SALES
JANUARY
2007 vs. 2008**

CHANGE FOR U.S. -0.4%



BASED ON ALL REPORTED 2008 DATA

Publication No. FHWA-PL-08-014



U. S. Department
of Transportation
**Federal Highway
Administration**
Office of Highway
Policy Information

TRAFFIC VOLUME TRENDS

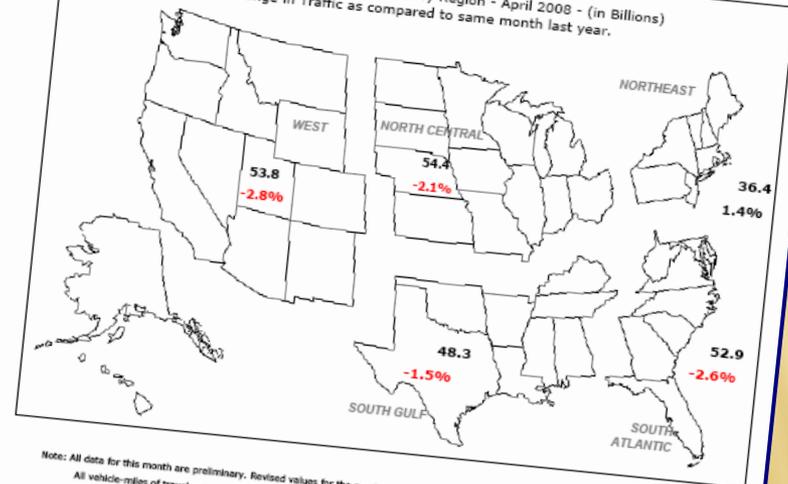
Page 1

April 2008

Travel on all roads and streets changed by **-1.8** percent for April 2008 as compared with April 2007. Travel for the month is estimated to be 245.9 billion vehicle miles.

Cumulative Travel for 2008 changed by **-2.1** percent. The Cumulative estimate for the year is 934.8 billion vehicle miles of travel.

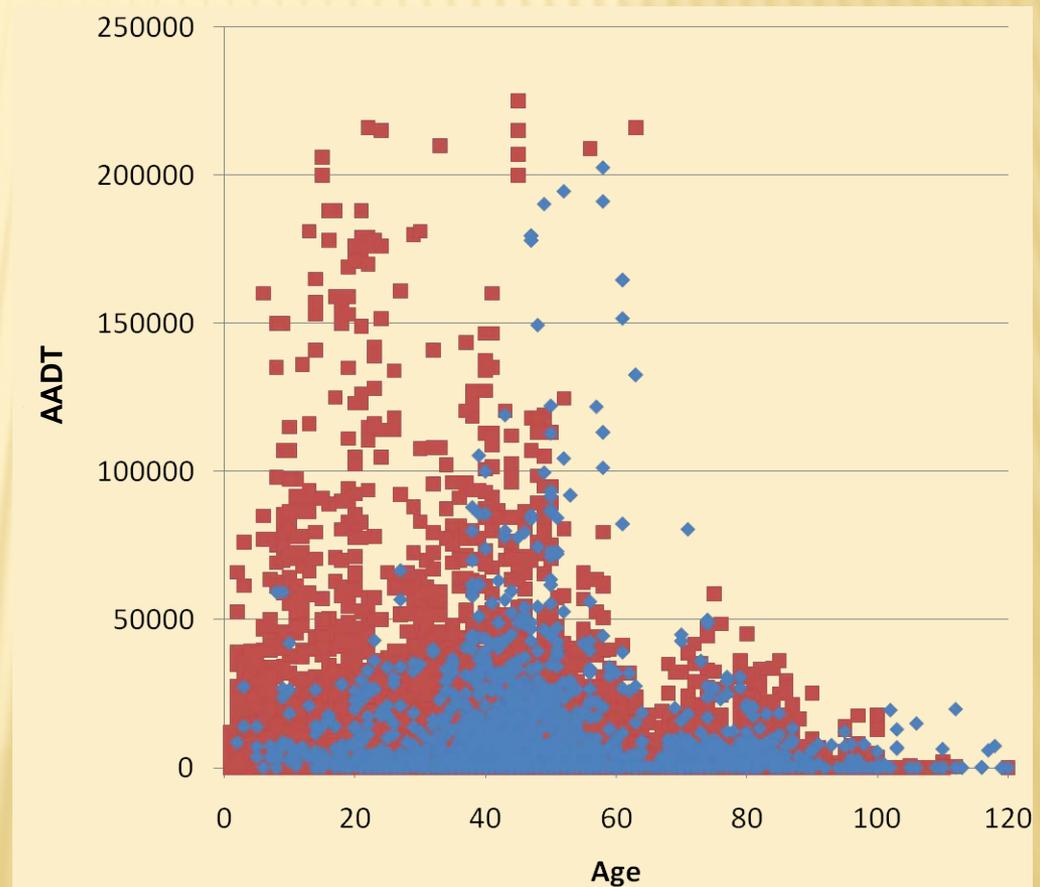
Estimated Vehicle-Miles of Travel by Region - April 2008 - (in Billions)
Change in Traffic as compared to same month last year.



Note: All data for this month are preliminary. Revised values for the previous month are shown in Tables 1 and 2. All vehicle-miles of travel computed with 2006 Table VMT-2 as a base. Compiled with data on hand as of June 10, 2008.

RECOVERY ACT REPORTS

- ✘ Weekly list of projects
- ✘ Statutory reports
 - + Quarterly 1512
 - + Periodic 1201(c)
 - + Quarterly 1609 NEPA
- ✘ Monthly reports
 - + EDA
 - + DBE
- ✘ Special reports
 - + Jobs
 - + Accomplishments
 - + Milestones
 - + etc



CHARACTERISTICS OF QUALITY DATA

- × Accurate
- × Timely
- × Complete
- × Meets expectations
- × Consistent across States

HOW DO WE IMPROVE DATA QUALITY?

- ✘ Provide reporting guidance
 - + *Guide to Reporting Highway Statistics*
 - + *Traffic Monitoring Guide*
 - + *HPMS Field Manual*
 - + *RADS Guidance*
- ✘ Provide training and technical support
 - + Onsite
 - + Regional workshops
 - + Remote

MAJOR INITIATIVES

- ✘ New OHPI website
- ✘ Preparing for reassessment of finance data
- ✘ HVUT Regulations
- ✘ NHCCI
- ✘ HPMS Reassessment
- ✘ Data Integration Project
- ✘ Updating the TMG
- ✘ Long distance multimodal passenger travel origin destination data development
- ✘ VMT forecasting
- ✘ Pedestrian and bike data collection method research
- ✘ Building a national travel demand model

OFFICE WEBSITE

HTTP://WWW.FHWA.DOT.GOV/POLICYINFORMATION/

The screenshot shows a Microsoft Internet Explorer browser window displaying the FHWA Policy Information website. The browser's address bar shows the URL <http://www.fhwa.dot.gov/policyinformation/>. The website header includes the U.S. Department of Transportation Federal Highway Administration logo and the text "Policy Information". A search and feedback link is visible in the top right corner. The main content area is divided into three columns: Programs, Resources, and About Us. The Programs column lists several key areas with links to publications and products, including the Highway Performance Monitoring System, Motor Fuel & Highway Trust Fund, Highway Finance Data & Information, National Household Travel Survey, and Travel Monitoring. The Resources column features sections for Publications, Highway Statistics Series, Quick Find, and Data, each with a list of related links. The About Us section provides a welcome message from the Office of Highway Policy Information (OHP) and states the office's vision: "Provide innovative, timely, customer-driven related information products and services." The browser's taskbar at the bottom shows several open applications, including Microsoft Office programs, and the system clock indicates the time is 11:56 AM.

Policy Information - FHWA - Microsoft Internet Explorer

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Address <http://www.fhwa.dot.gov/policyinformation/> Go Links

U.S. Department of Transportation
Federal Highway Administration

Search | Feedback

Policy Information

FHWA > Policy Information

Programs

Highway Performance Monitoring System

- State HPMS web sites
- Frequently Asked Questions

more on [HPMS](#)

Motor Fuel & Highway Trust Fund

- Publications and Products

more on [Motor Fuel & Highway Trust Fund](#)

Highway Finance Data & Information

- Publications and Products

more on [Highway Finance Data & Information](#)

National Household Travel Survey

- Publications and Products

more on [National Household Travel Survey](#)

Travel Monitoring

- Publications and Products
- Traffic Volume Trends

Resources

Publications

- Publications and Products
- Bulletin Board

more on [Publications and Products](#)

Highway Statistics Series

- Highway Statistics 2006
- New Highway Statistics Site (under development)

more on [Highway Statistics Series](#)

Quick Find

- Drivers
- Vehicles
- Fuel
- Finance
- Roads
- Travel

Data

- Charts
- Tables

About Us

- Staff Directory
- Related Sites and Resources
- Events
- Positions available
- Data Quality

The Office of Highway Policy Information (OHP) welcomes you to this repository of highway information and statistics. The Office collects, analyzes and distributes highway related data from federal, state and local sources. Selected documents and periodicals are available here for your review. We hope they provide you with useful information to further your research and planning activities.

Vision: Provide innovative, timely, customer-driven related information products and services.

Trusted sites

Start 2 Microsoft O... Untitled Message Microsoft Excel... Microsoft Powe... Policy Inform... 11:56 AM

COMMUNITY OF PRACTICE

HTTP://KNOWLEDGE.FHWA.DOT.GOV/COPS/HCX.NSF/HOME?OPENFORM

Highway Community Exchange - Federal Highway Administration - Microsoft Internet Explorer

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Address <http://knowledge.fhwa.dot.gov/cops/hcx.nsf/home?openform> Go Links

K Highway Community EXchange
Federal Highway Administration

Select A Topic... FHWA Knowledge Tools Help

Search

Home What's New e-Mail Notification

FHWA > Knowledge Communities > Highway CommunityExchange

Welcome to the Federal Highway Administration's Highway Community Exchange "Community of Practice" (CoP). This CoP is dedicated to the open exchange of information and knowledge about a variety of issues that are important to the Transportation Community. Participation is open to everyone. We are dedicated to the exchange of knowledge and information throughout the Transportation Community to promote better decision-making, spark innovation, speed technology transfer, and better meet the needs of our customers and partners. This site will be updated continuously, so it is important to visit often. *The Highway Community Exchange allows the contribution of thoughts and ideas in an open forum. Content found in this community area may not necessarily reflect the opinion or policy of the Federal Highway Administration.*

The Highway Community Exchange

- 1 [Alternative Contracting](#)
- 2 [Detectable Warnings](#)
- 2 [Highway Finance Data Collection](#)
- 2 [Highway Performance Monitoring System \(HPMS\)](#)
- 2 [Market Information System \(MIS\)](#)
- 2 [Travel Monitoring](#)
- 2 [Transportation Community of Practice \(CoP\) - Mobile Transp and Mobility Comm A1E09](#)

Highway Community Exchange is an open forum that allows contribution of personal experience and opinion. Some of the content found in the

THANK YOU!

THANK YOU!