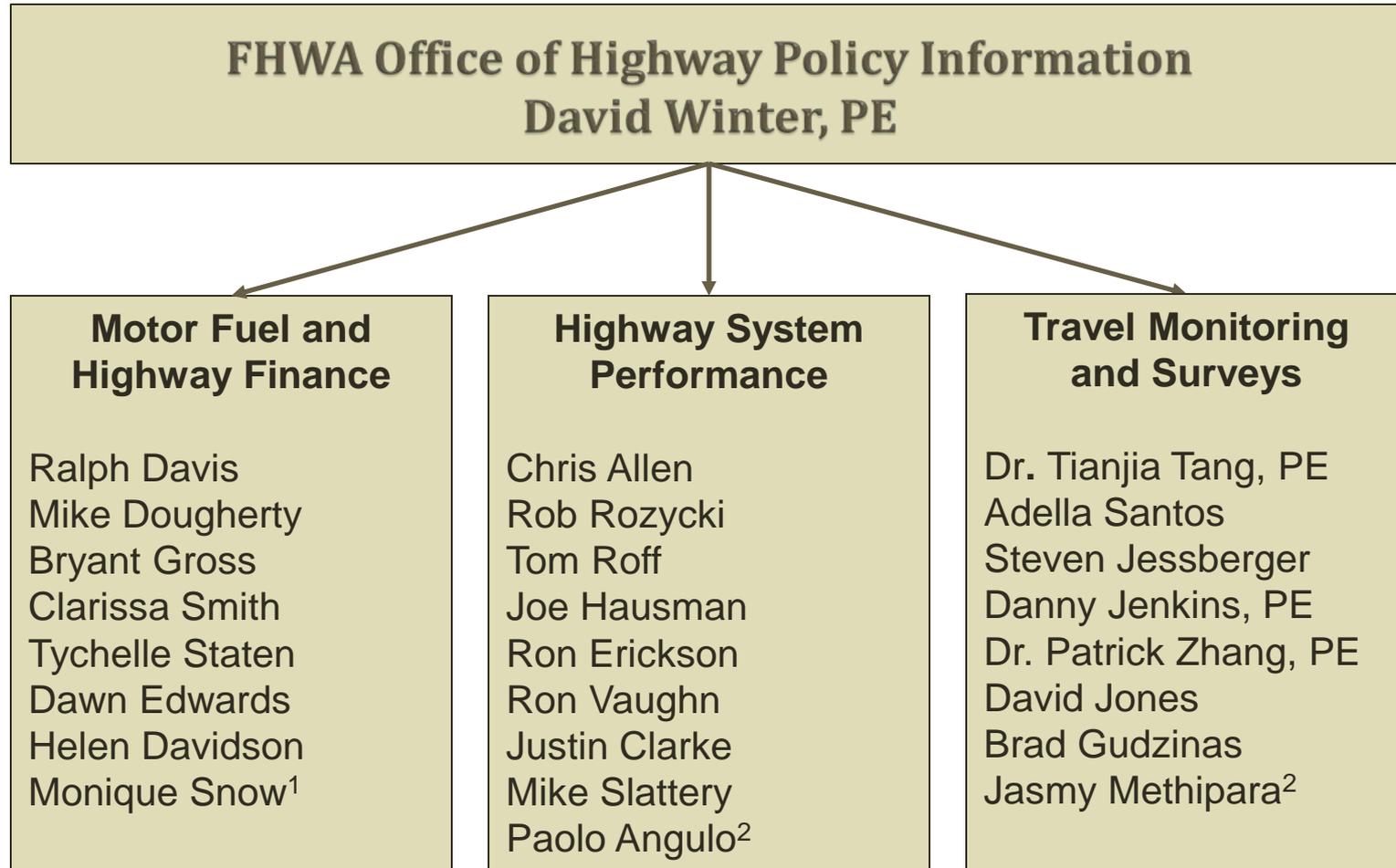


The Office of Highway Policy Information

Highway Information Seminar

November 2013

Who We Are



1 – Indicates student.

2 – Indicates contractor.

Our Mission

- 1) To serve as the national source of surface transportation data.
- 2) Provide the U.S. DOT, Congress, and transportation community with accurate information products in a timely manner.
- 3) To inform the development and implementation of, and serve as the foundation for decisions, policies, legislation, programs, and performance goals.
- 4) Constantly strive to improve the efficiency and effectiveness of highway data collection and analysis on travelers and the physical, operational and financial condition of our transportation system.

Our Data Programs

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

Our Data Systems

- Fuels and Financial Analysis System-Highways (Fuels and FASH)
- Travel Monitoring and Analysis System (TMAS)
- Highway Performance Monitoring System (HPMS)
- National Household Travel Survey (NHTS)
- Vehicle Travel Information System (VTRIS)
- Recovery Act Data System (RADS)

Key FHWA Business Uses

- Apportionment of Federal-aid Funds
- Performance Measurement
- FHWA Reports
- Development of new programs and initiatives
- Wide variety of information products

Apportionment

- Process for Distributing Highway Trust Fund (HTF) dollars to States
- Legislated by formula
- Driven by data submitted by State data providers, specifically:
 - Lane-miles
 - Annual VMT
 - Highway Trust Fund contributions

Performance Measures

- FHWA program offices are the “goal champions” responsible for determining performance measures
- OHPI role is to help determine availability, quality, and suitability of existing data for use
- For some measures OHPI analyzes the data
- Want to avoid multiple data collections of same data
- Our emphasis is “collect once, use often”

Agency 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

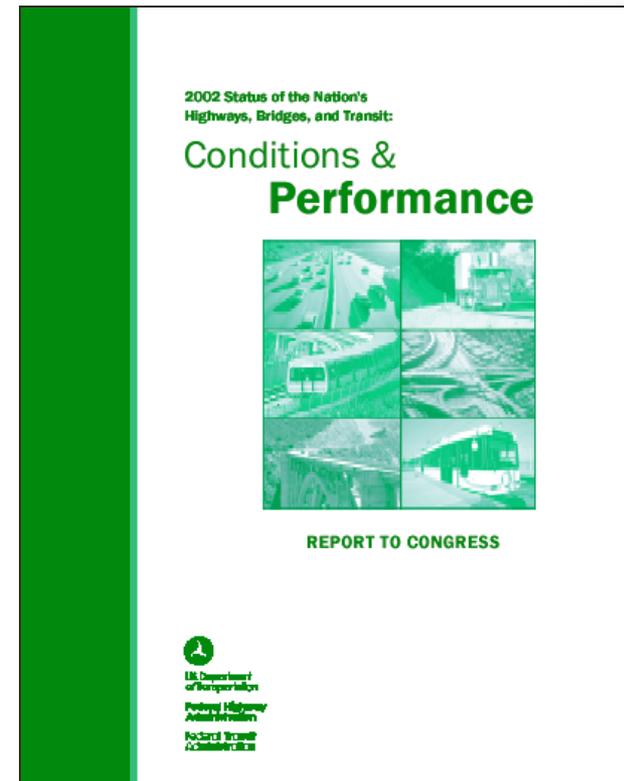
FHWA Reports

- To Congress
- To U.S. DOT
- Office publications
- Monthly trend reports
- Recovery Act reports
- Special reports, briefs, and analysis

Reports to Congress

Conditions & Performance Report

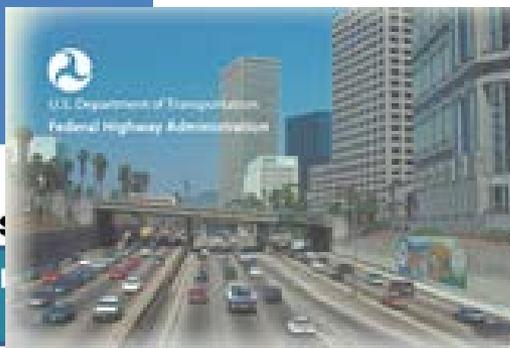
- Extent of System
- Roadway Condition
- System Performance
- Funding Sources
 - Federal, State, Local, Other
- Expenditures by:
 - Improvement Type & Funding Source



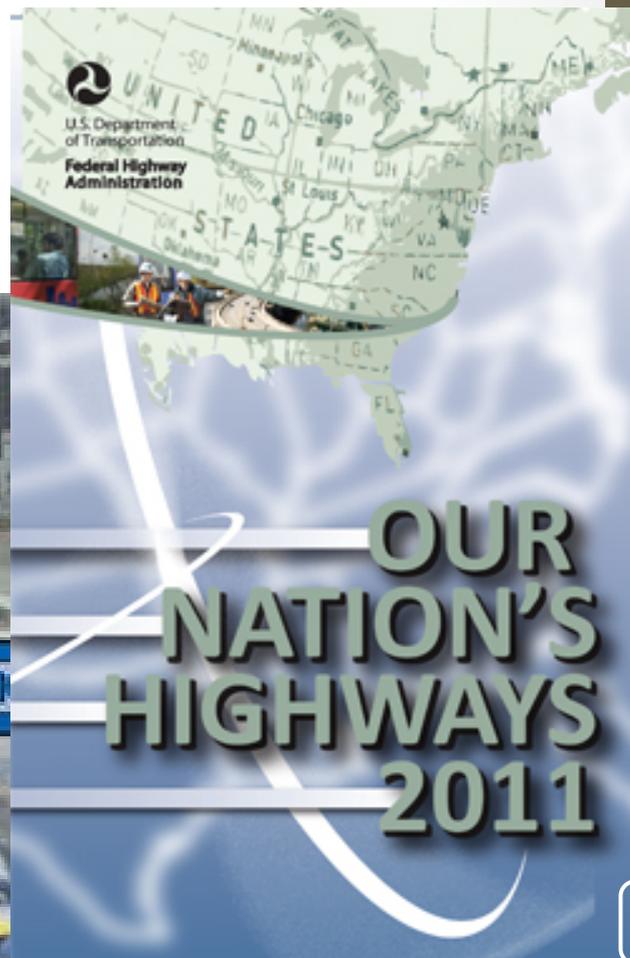
Office Publications



**SUMMARY OF TRAVEL TRENDS:
2009 National Household Travel
Survey**



HIGHWAY STATISTICS



Monthly Reports



U. S. Department
of Transportation
**Federal Highway
Administration**
Office of Highway
Policy Information
Created On: 10/1/2012

MONTHLY MOTOR FUEL REPORTED BY STATES

JUNE 2012

**NATIONAL GASOLINE SALES
JANUARY - JUNE
2011 vs. 2012**

CHANGE FOR U.S. 0.8%



BASED ON REPORTED AND ESTIMATED 2012 DATA. SEE NOTICE ON PAGE 2.

Publication No. FHWA-PL-12-034



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

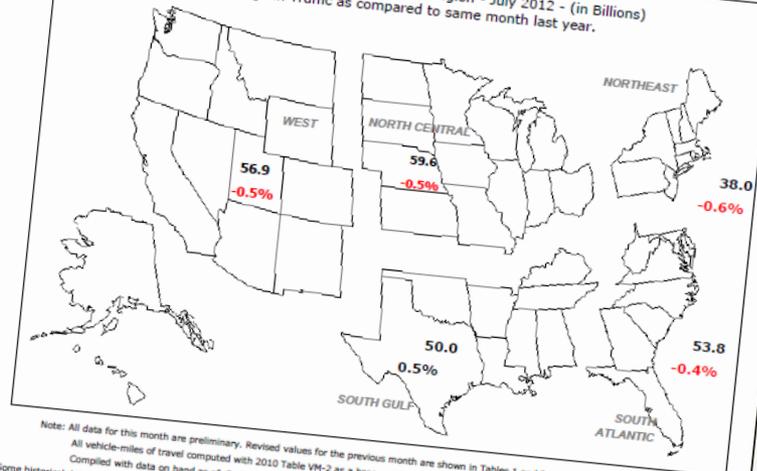
TRAFFIC VOLUME TRENDS

July 2012

Travel on all roads and streets changed by **-0.3%**
(-0.8 billion vehicle miles) for July 2012 as
compared with July 2011. Travel for the month is
estimated to be 258.3 billion vehicle miles.

Cumulative Travel for 2012 changed by **+0.9%**
(14.8 billion vehicle miles). The Cumulative estimate
for the year is 1,714.0 billion vehicle miles of travel.

Estimated Vehicle-Miles of Travel by Region - July 2012 - (in Billions)
Change in Traffic as compared to same month last year.



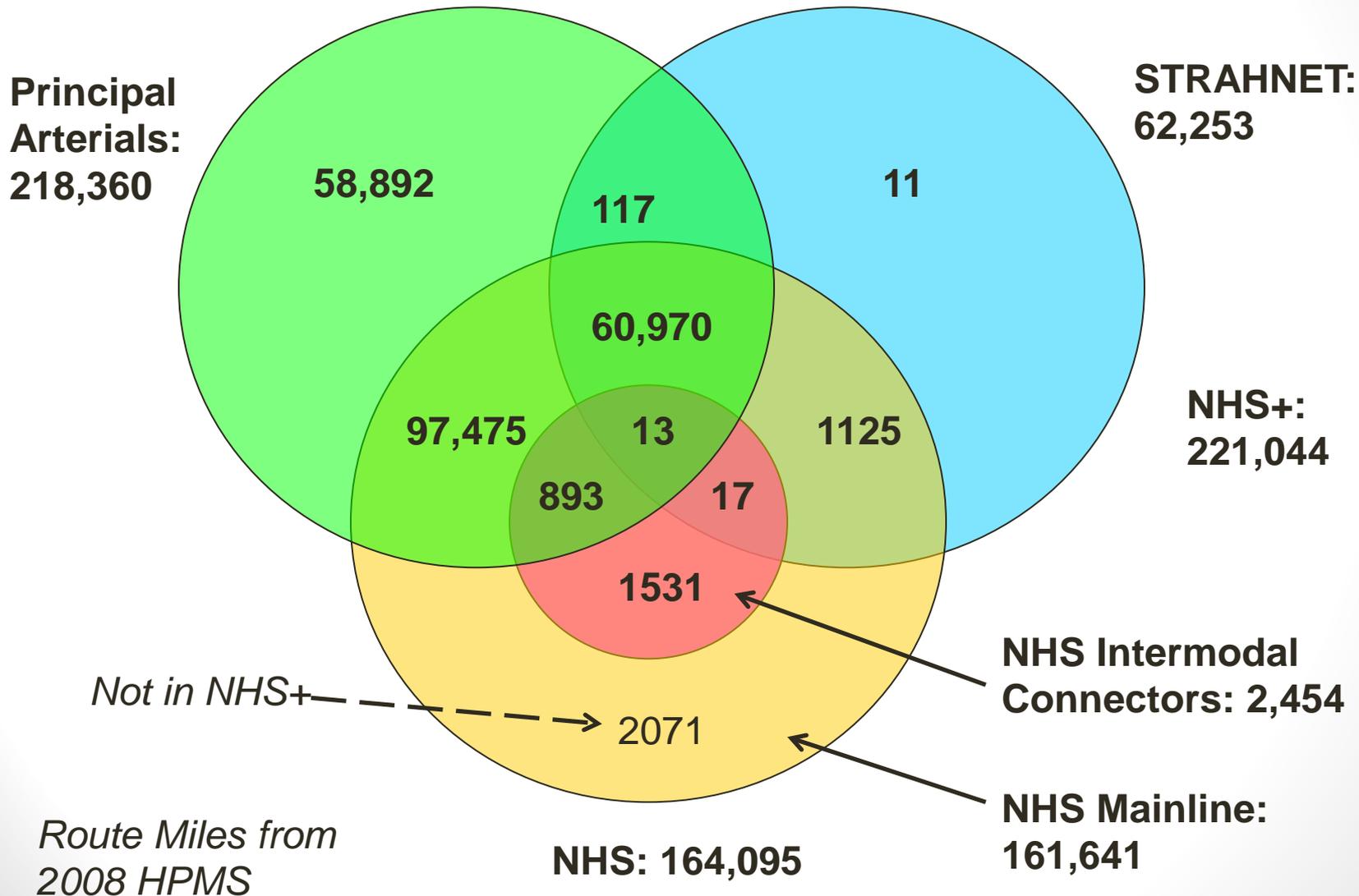
Note: All data for this month are preliminary. Revised values for the previous month are shown in Tables 1 and 2
All vehicle-miles of travel computed with 2010 Table VM-2 as a base.
Compiled with data on hand as of September 07, 2012.

Some historical data were revised based on NHTSA and amended TVT data as of December 2009.
For information on total licensed drivers in the U.S., visit <http://www.fhwa.dot.gov/policy/ohp/hss/hospubs.htm>.

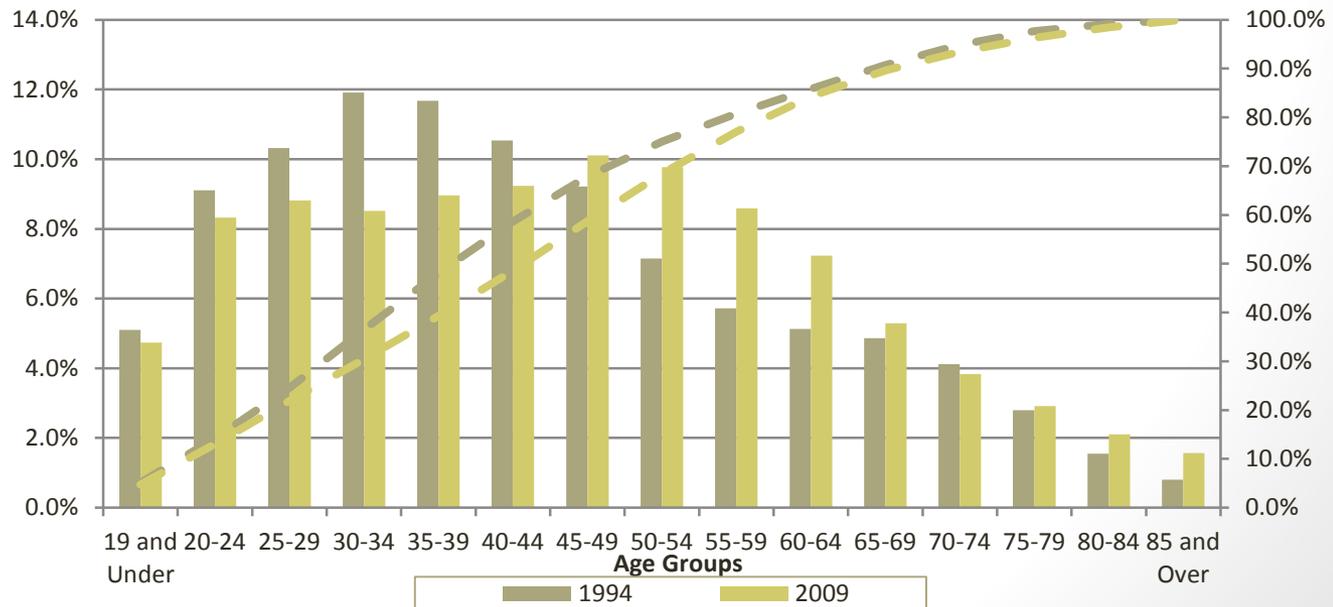
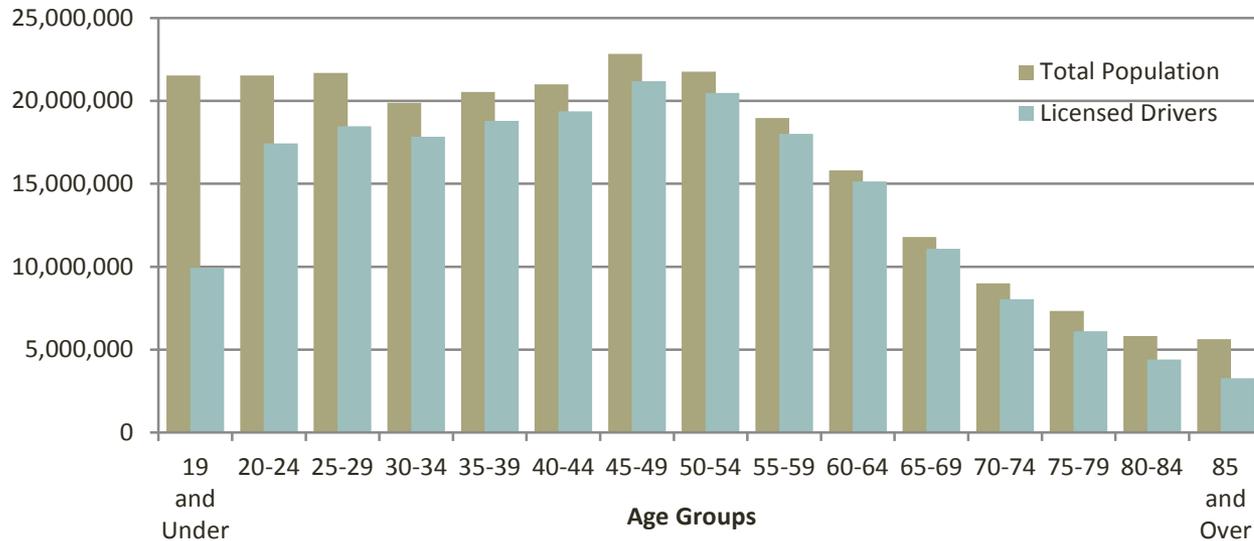
Select the year of interest then Section III (Driver Licensing).
For information on total registered motor vehicles in the U.S., visit <http://www.fhwa.dot.gov/policy/ohp/hss/hospubs.htm>.

Select the year of interest and Section II (Motor Vehicles).

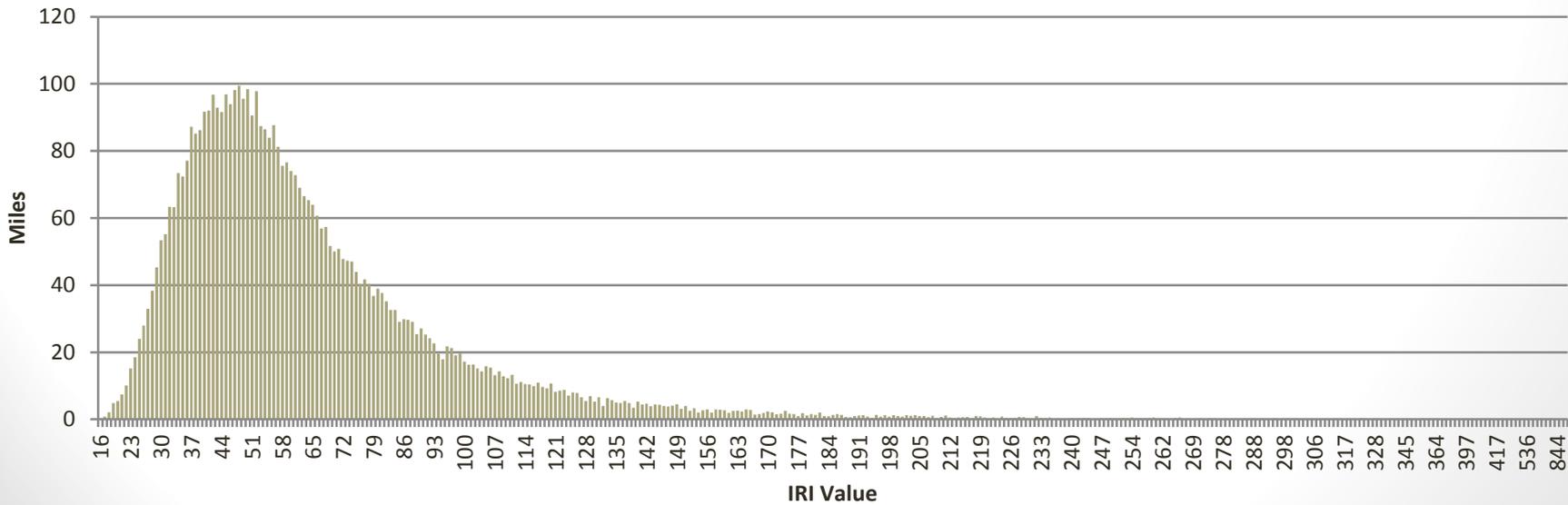
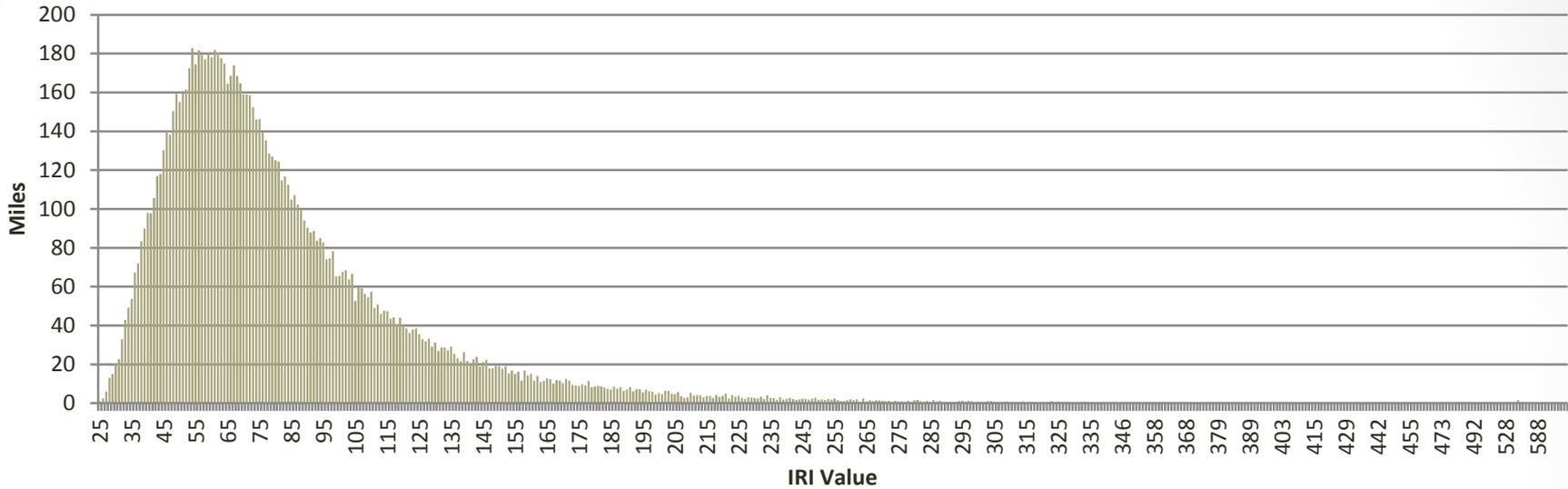
Enhanced NHS components



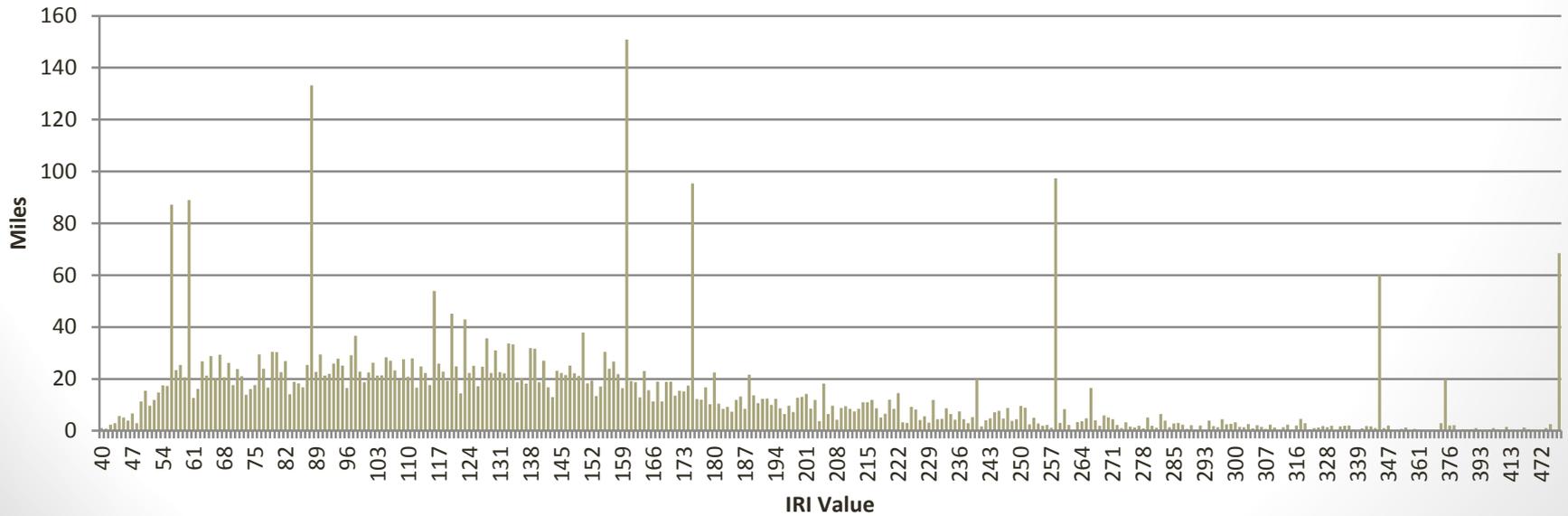
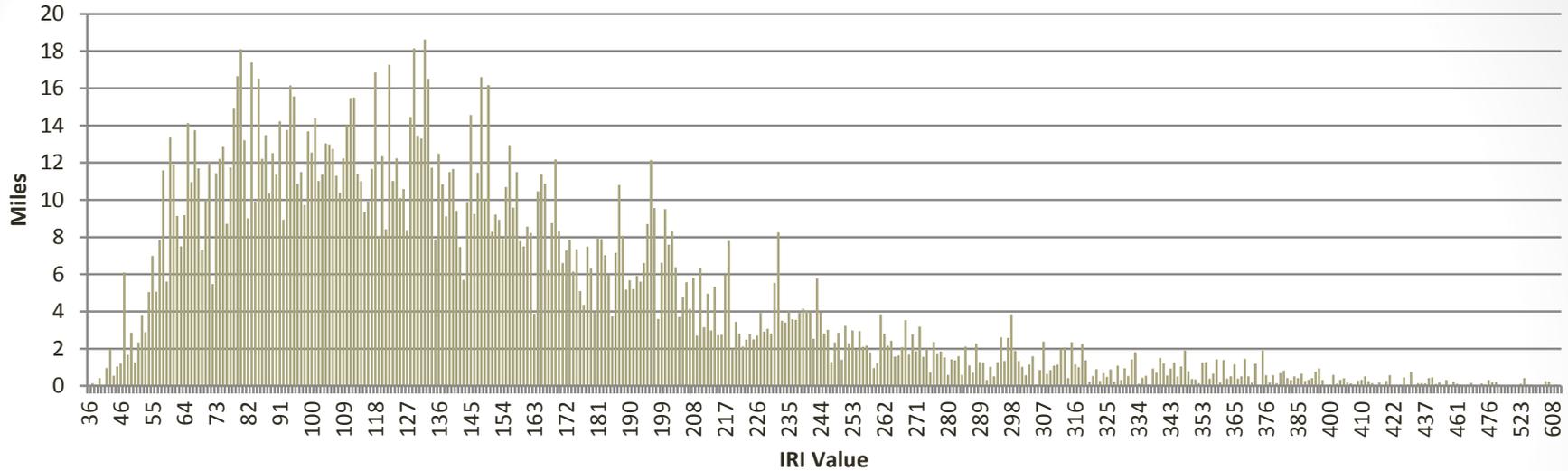
Special Reports, Briefs and Analysis



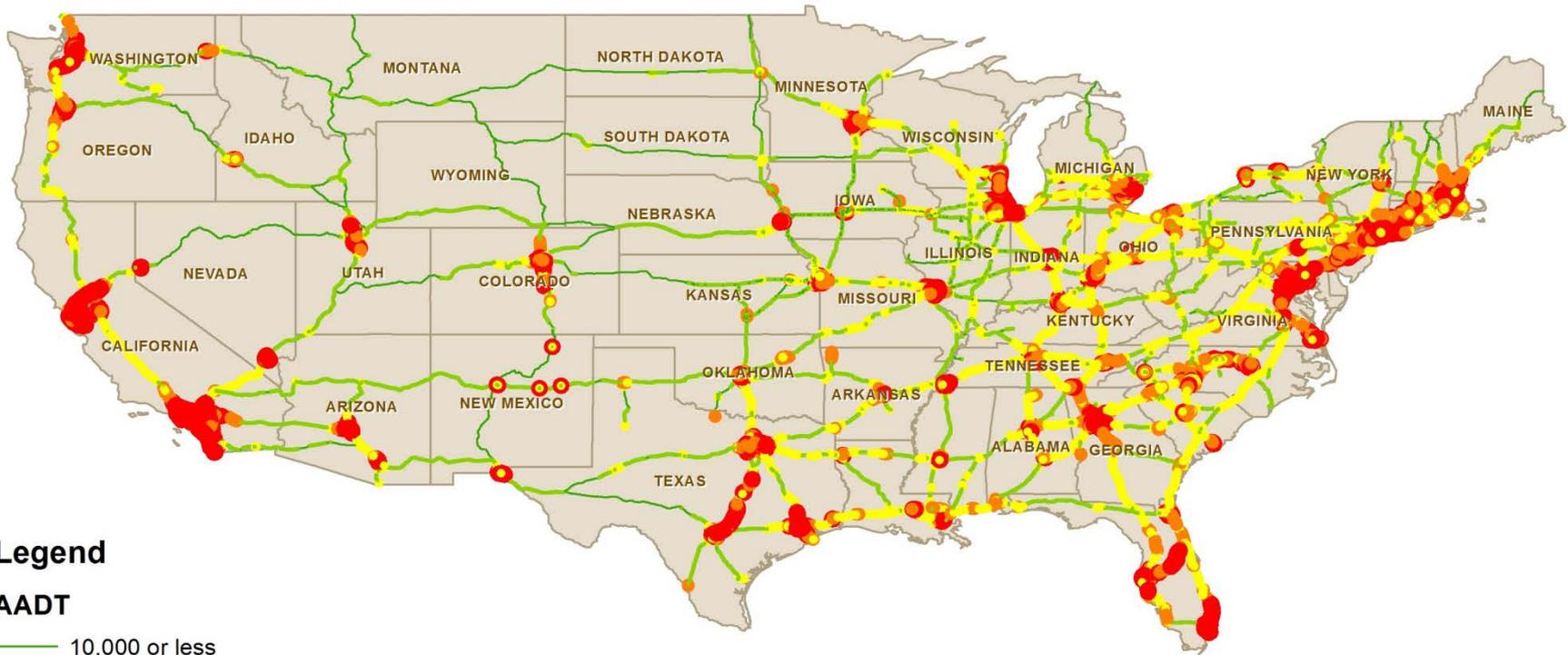
Special Reports, Briefs and Analysis



Special Reports, Briefs and Analysis



Maps...

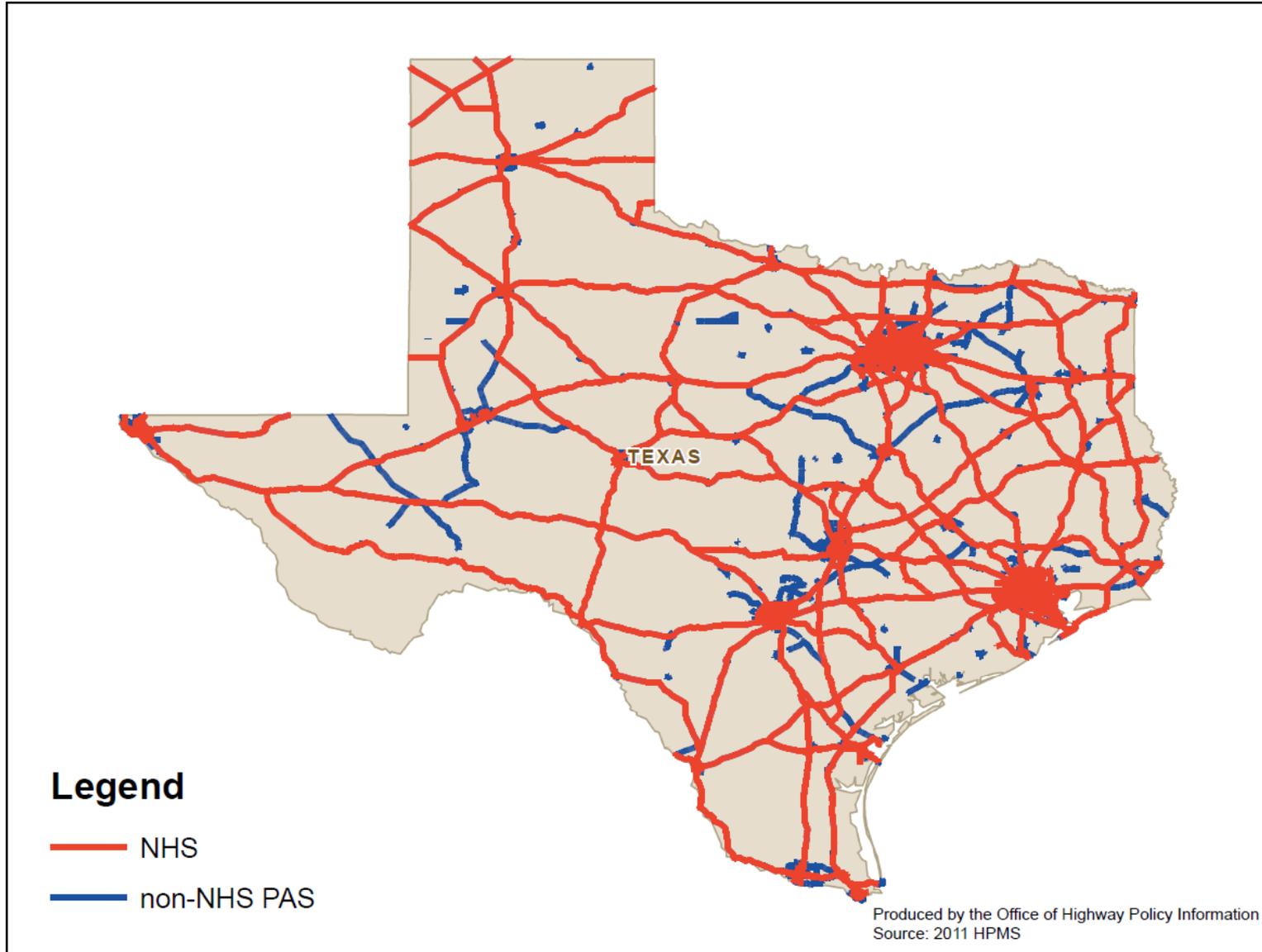


Legend

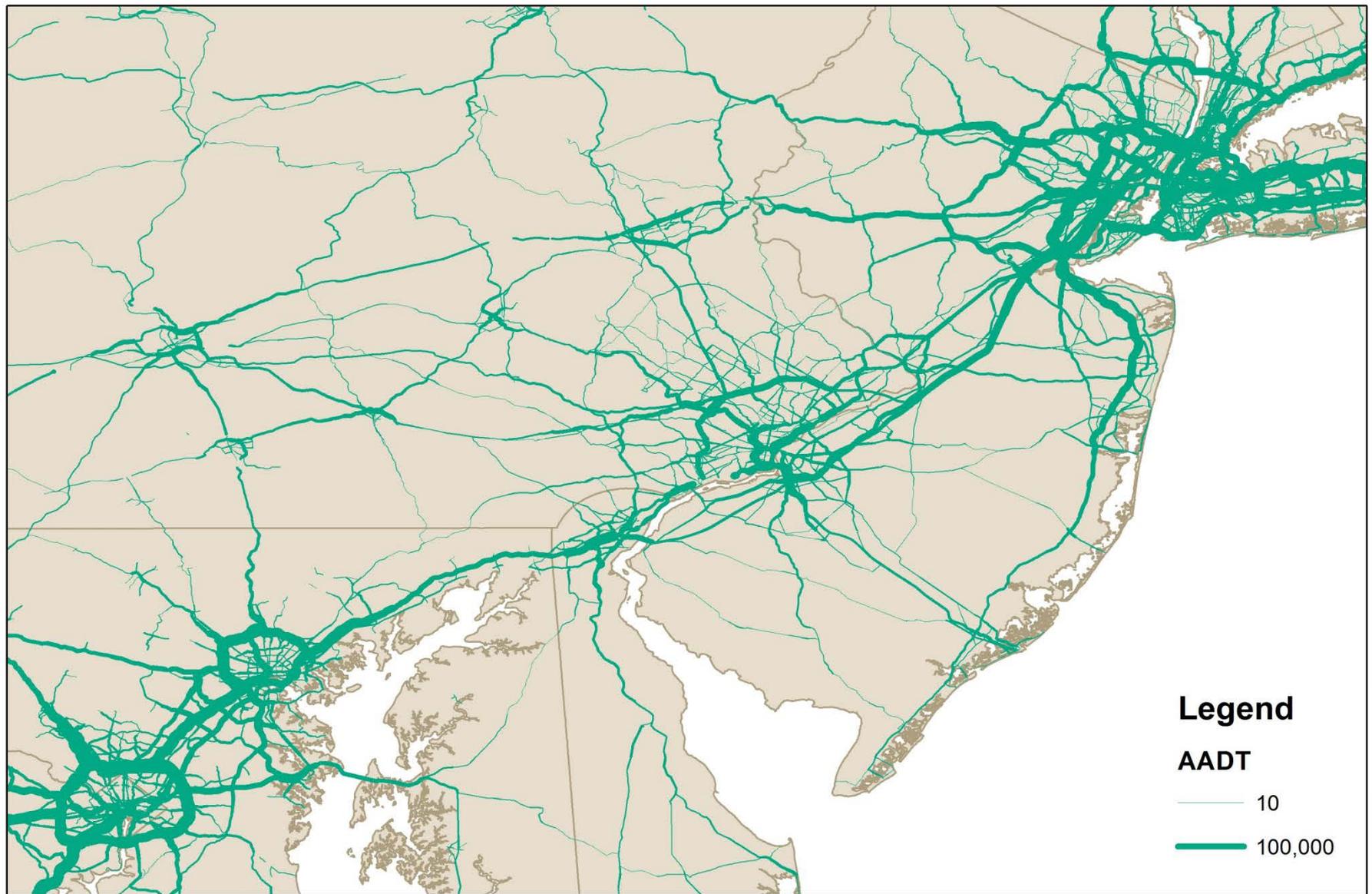
AADT

- 10,000 or less
- 10,001 - 30,000
- 30,001 - 60,000
- 60,001 - 100,000
- 100,001 or more

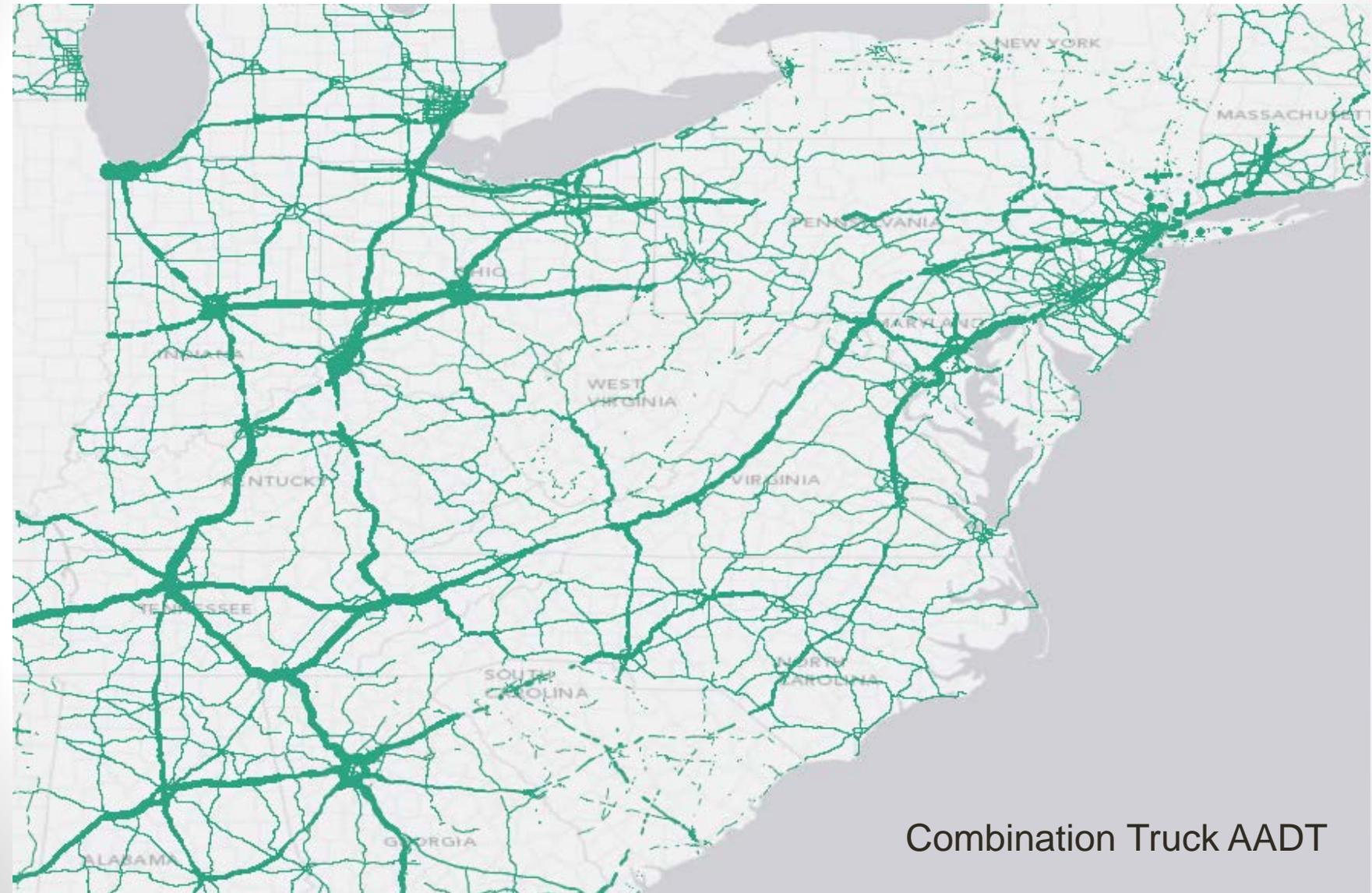
Maps...



Maps...

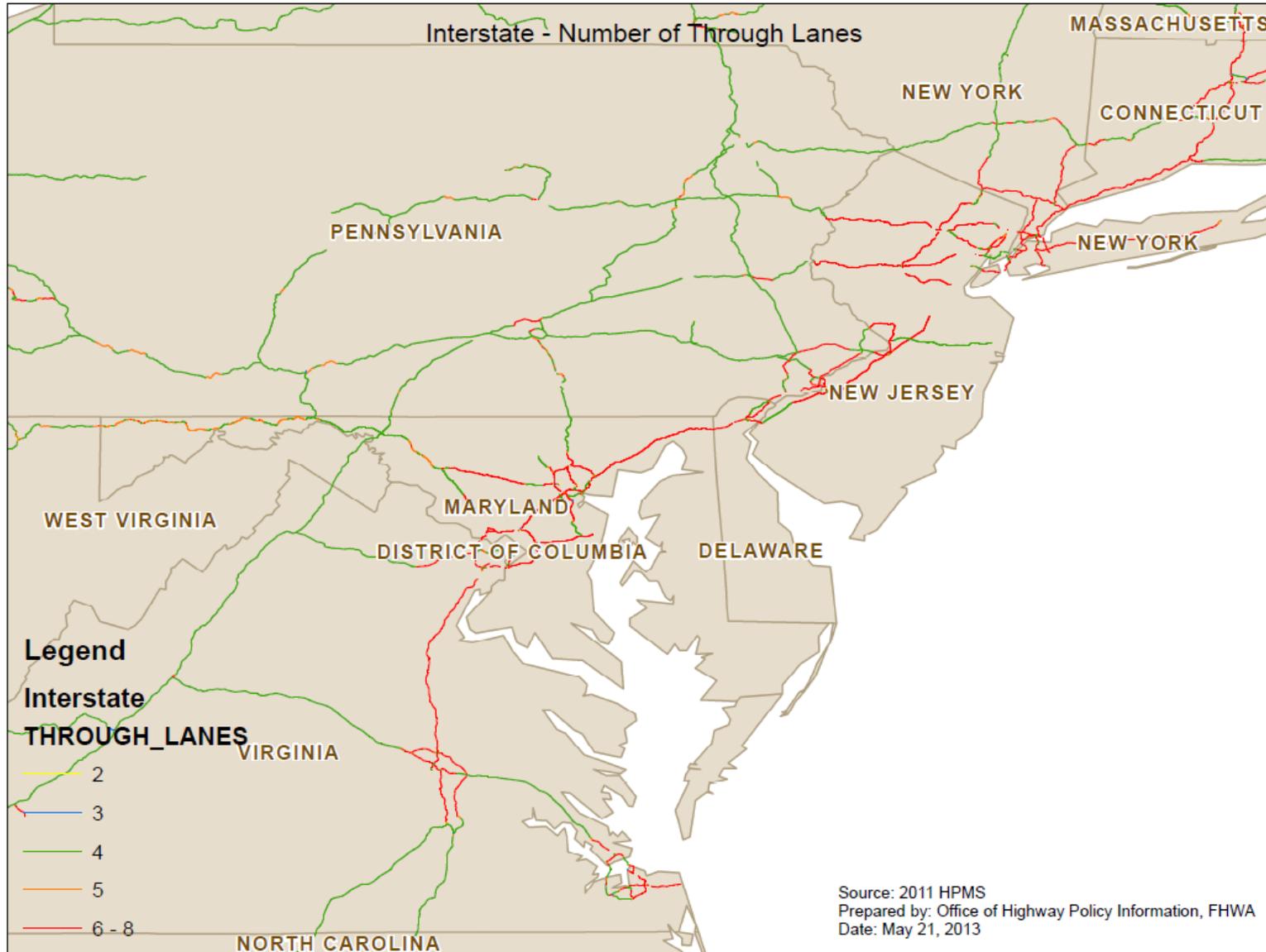


Maps...

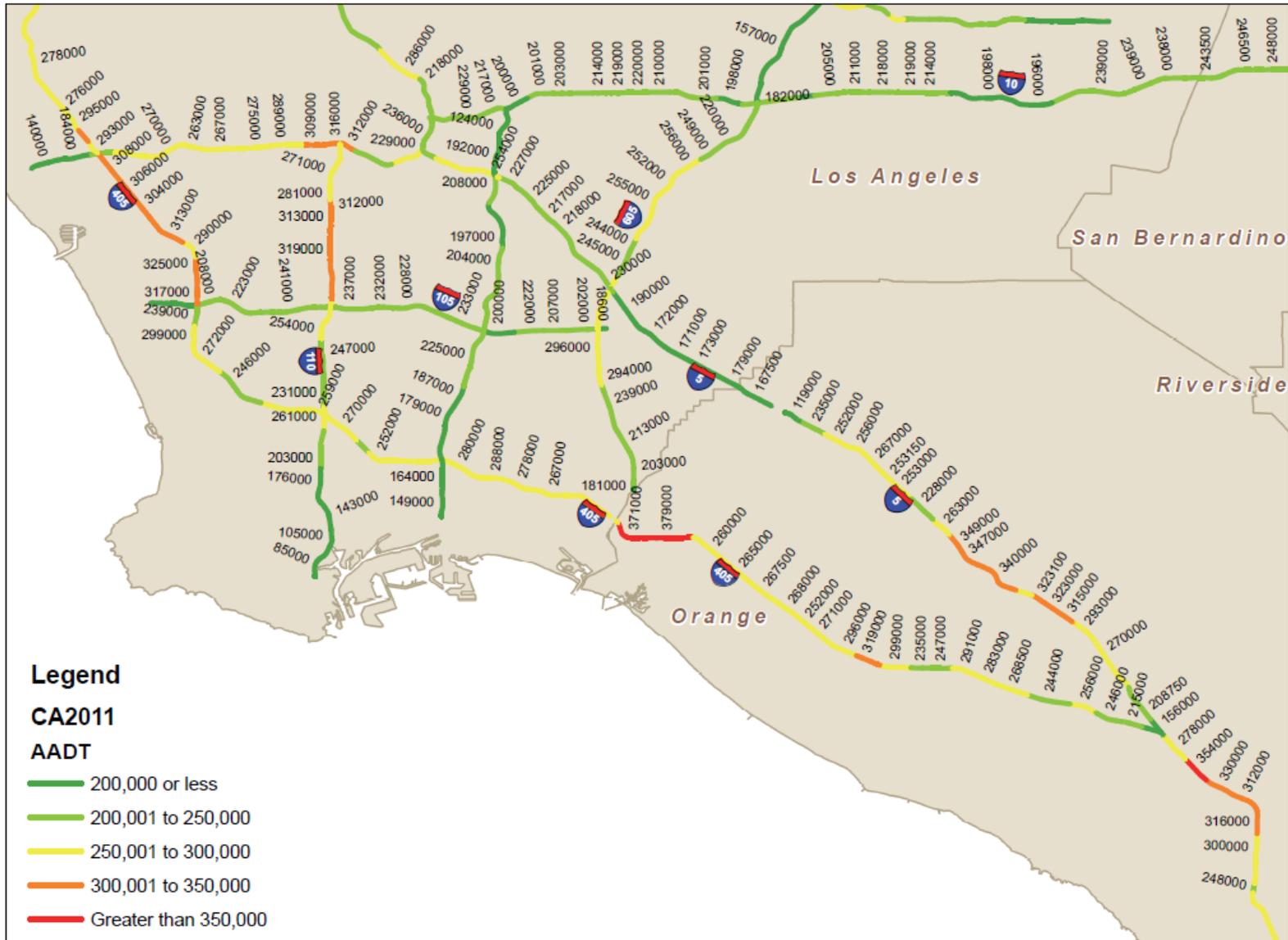


Combination Truck AADT

Maps...



Maps...



Quality Data

Characteristics of Quality Data:

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

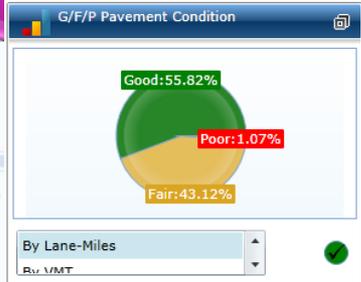
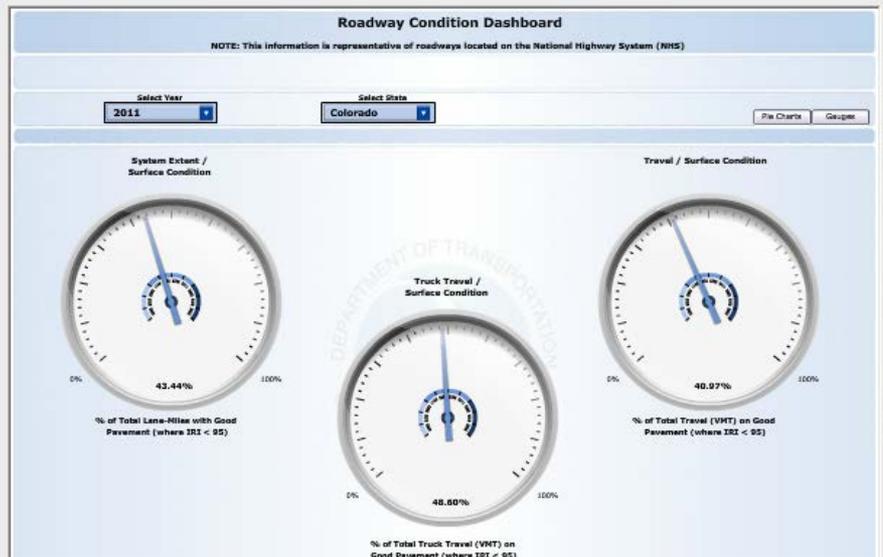
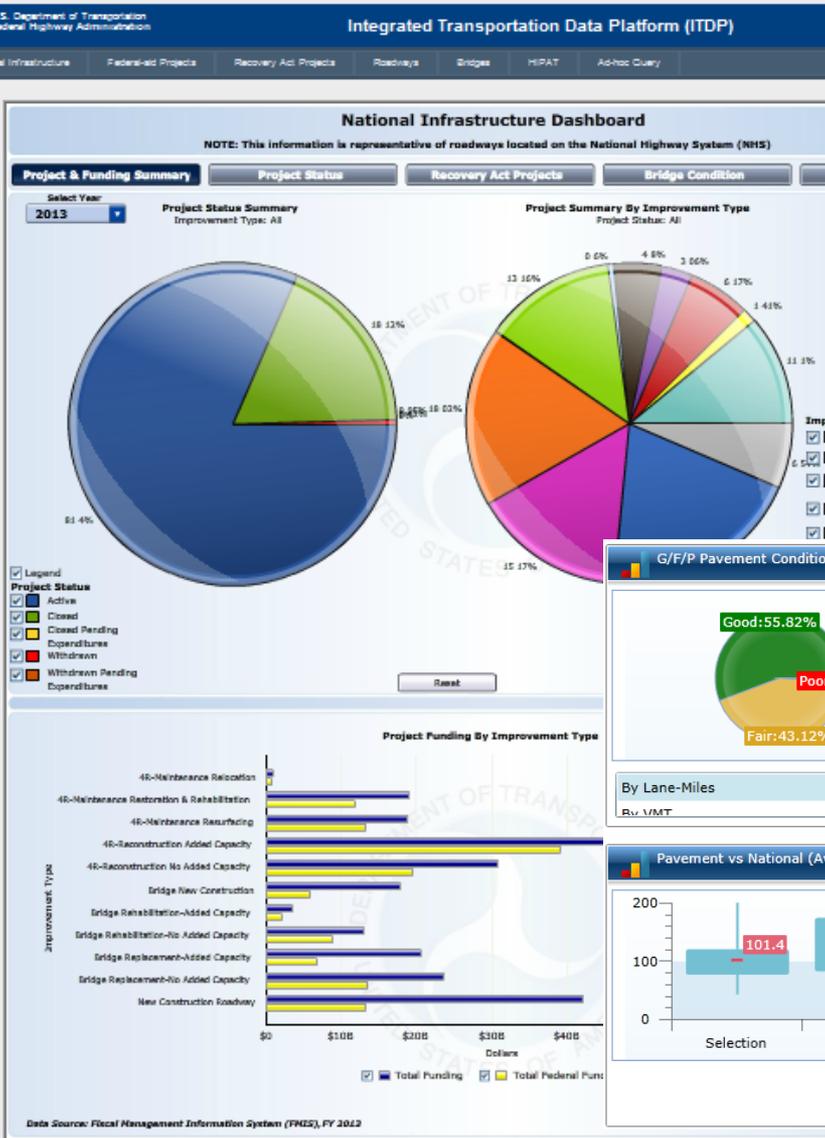
How do we improve data quality?

- Provide reporting guidance
 - Guide to Reporting Highway Statistics
 - Traffic Monitoring Guide
 - HPMS Field Manual
 - Notice of Proposed Rule Making
- Provide training and technical support
 - Onsite
 - Regional workshops
 - Remote
- New tools and resources

Major Initiatives

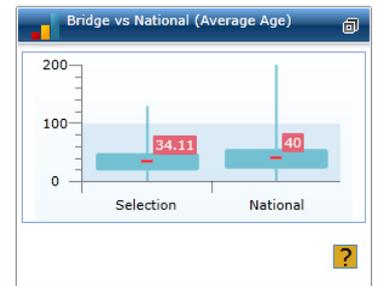
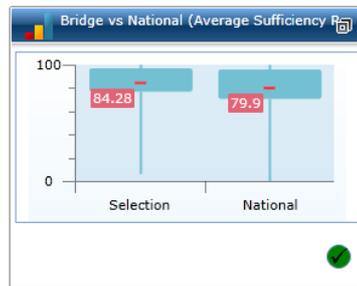
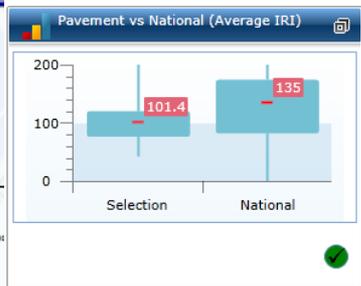
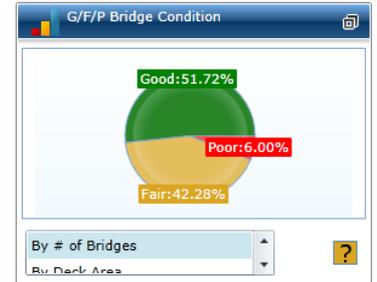
- Open Data
- Data Integration Project
 - Inclusion of HIPAT viewer
- Long distance multimodal passenger travel origin destination data development
- Data Governance Council
 - Data Governance Plan
- Census/FHWA working group
- New network requirements for HPMS
- Updating the Traffic Monitoring Guide
- Functional Classification Guidance
- Development of Data Portal a.k.a. Fuels & FASH v4.0
- Google Public Data Explorer

Data Integration



Summary Statistics

PAVEMENT	CORRIDOR	BRIDGES
Lane-miles: 4119.46	Length (mi.): 952.71	Bridges: 8522
Avg. IRI: 101.4	Climate Zone: Wet-Freeze	Deck Area (sq.m.): 4664249
Daily VMT: 31885353	AADT Range: 6200 - 249000	# of SD: 578
		# Load Posted:



HIPAT – Highway Infrastructure Performance and Analysis Tool

Projects Infrastructure Health Report

Active Item: HPMS Active Query: SELECT Map_HPMS_WKB.* FROM Map_HPMS_WKB WHERE ((Map_ AQC: 498 AHC: 0 FSystems / States

Map View (right-click map surface for tools)

Chart Categorization: IRI

Category	% of Total
< 95	~45%
95 - 170	~45%
> 170	~10%

Data Table

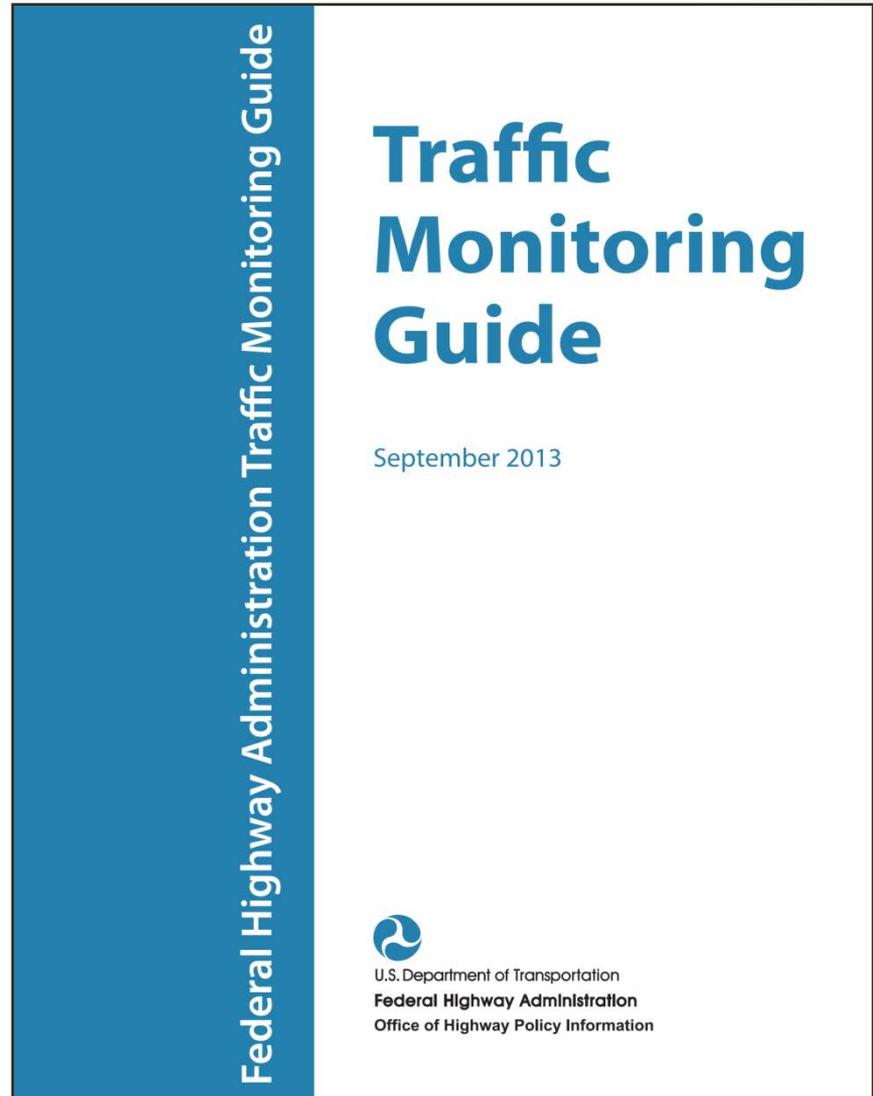
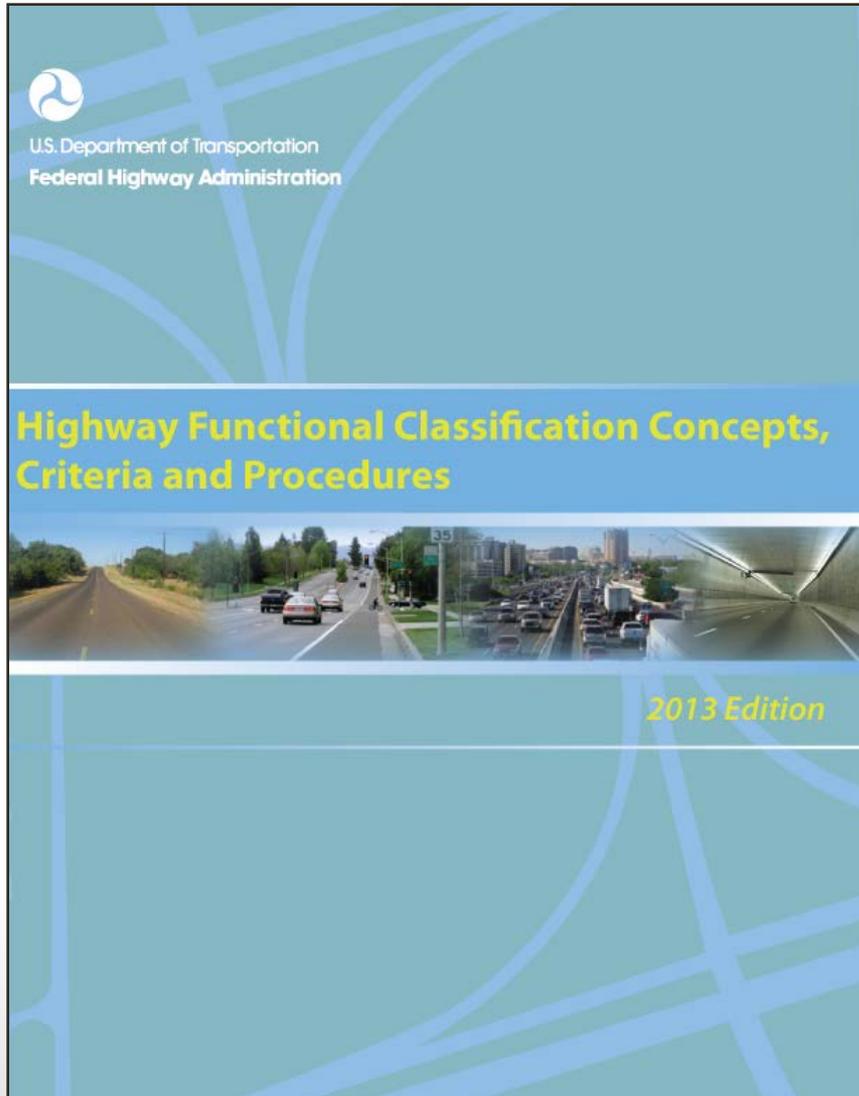
OBJECTID	Year_Record	State_Coc
122887	2010	8
122888	2010	8
122889	2010	8
122890	2010	8

Page 1 of 25

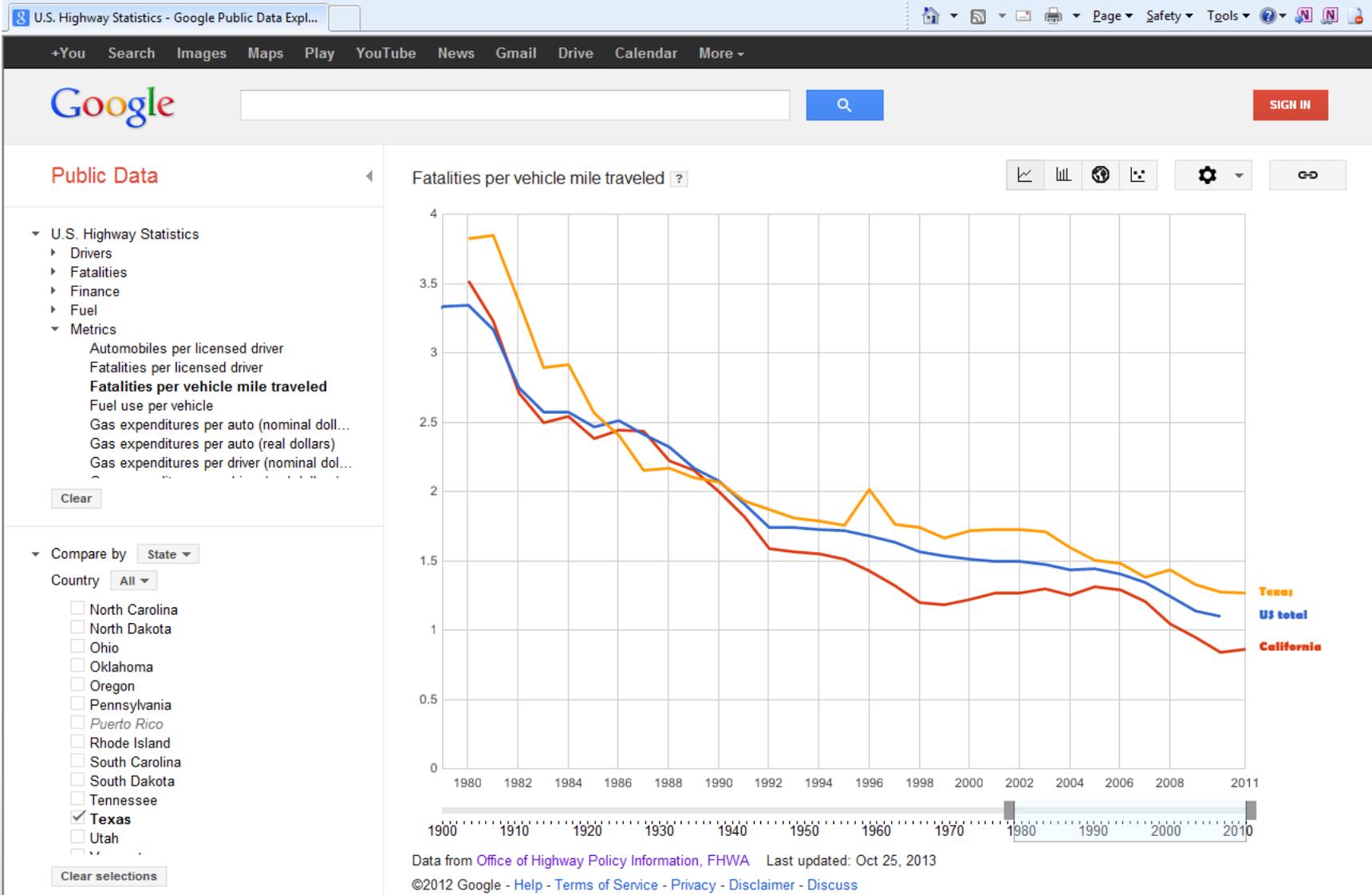
Statistics

Type	Field	Count	Min	Max	Avg	Std.Dev
AADT	498	6200	249000	68377.51	61177.32	
VMT	498	132	319788	64026.81	57393.78	
IRI	498	42	208	101.4	32.65	

New Guidance Documents



Google Public Data Explorer



Office Website

<http://www.fhwa.dot.gov/policyinformation/>



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Federal Highway Administration

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[Highway Performance Monitoring System](#)

[Motor Fuel and Highway Trust Fund](#)

[National Highway Construction Cost Index](#)

[National Household Travel Survey](#)

[Travel Monitoring](#)

State Statistical Abstracts

The [abstracts](#) contain state-specific data on population, land area, mileage, fuel use, drivers, vehicles, travel, and other related data.



- [2011 State Statistical Abstracts](#)
- [2010 State Statistical Abstracts](#)
- [2009 State Statistical Abstracts](#)
- [2008 State Statistical Abstracts](#)



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