



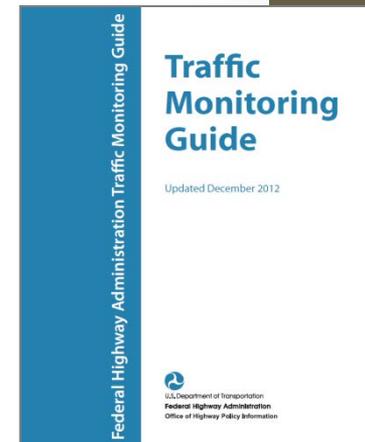
Traffic Monitoring Research and Resources

- 2015 Highway Information Seminar
- Michael Slattery
- September 23, 2015

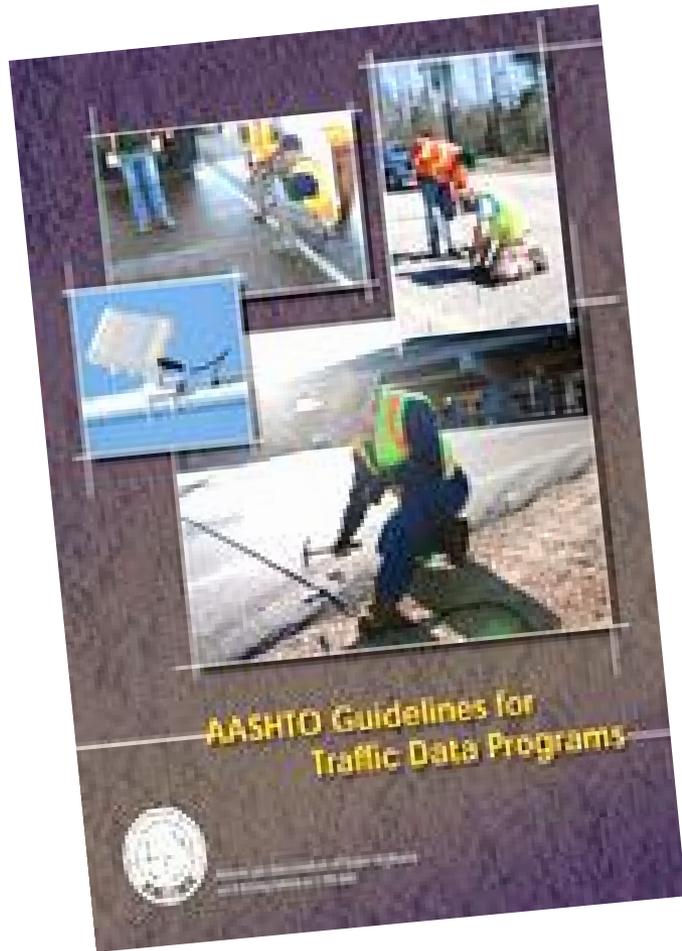


Traffic Monitoring Guide

- Produced by FHWA – new 2013 edition
- Offers guidance for agencies responsible for traffic data collection, analysis, and reporting
- Provides a basic common data collection framework for all highway agencies
- A guide to implement federal requirements



AASHTO Guidelines for Traffic Data Programs



2nd Edition:
Published 2009





AASHTO Guidelines

- Traffic Data Collection Needs
- Traffic Monitoring Equipment
- Quality Assurance for Traffic Data
- Summarizing Traffic Data
- Reporting and Managing Traffic Data
- Integrating Operations Data



ASTM Standards

- Weigh-in-Motion (WIM) Equipment
- Traffic Monitoring
- Classifying Vehicles



FHWA Office of Highway Policy Information Information Website

U.S. Department of Transportation
Federal Highway Administration

Search FHWA

Office of Highway Policy Information

Quick Find Data
Drivers | Finance | Fuels | Roads | Travel | Vehicles

Publications
[Highway Statistics Series](#)
[Monthly Motor Fuel Reported by States](#)
[Our Nation's Highways](#)
[Publications Archive \(all publications alphabetically\)](#)
[Status of Highway Trust Fund](#)
[Traffic Volume Trends](#)
[Special Tabulations](#)

Program Areas
[American Recovery and Reinvestment](#)
[Heavy Vehicle Use Tax](#)
[Highway Finance Data](#)
[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, area, mileage, fuel use, drivers, vehicles, travel, and other related data.

- 2010 State Statistical Abstracts
- 2009 State Statistical Abstracts
- 2008 State Statistical Abstracts

U.S. Department of Transportation
Federal Highway Administration

Privacy Policy | Freedom of Information Act (FOIA) | Accessibility | Web Policies & Notices | No Fear Act | Report Waste, Fraud and Abuse
U.S. DOT Home | USA.gov | WhiteHouse.gov

Federal Highway Administration | 1200 New Jersey Avenue, SE | Washington, DC 20590 | 202-366-4000

U.S. Department of Transportation
Federal Highway Administration

Search FHWA

Office of Highway Policy Information
Travel Monitoring and Traffic Volume

U.S. DOT's Travel Monitoring and Traffic Volume

Data and information on traffic volume, vehicle classification, and truck weight are basic to many highway and transportation functions. The Federal Highway Administration's (FHWA's) Office of Highway Policy Information has traditionally maintained national programs to track traffic trends, vehicle distributions, and weight to meet data needs specified in federal highway legislations. Activities include development of guidelines, regulations, direct data collection (from State DOT sources), data processing, research, analysis, and professional conferences. The products of these activities are listed in the publications in the next column.

The publications and reports on travel monitoring include data periodically updated, software to process the data, paper reports, related databases, and information related issues. Links to relevant organizations are also included to make your search easier.

SOURCES
 Community of Practice
 Traffic Volume Trends
 Vehicle Travel Information System (VTRIS)
 ITS Data Archiving
 Other Sites and Resources
 Traffic Monitoring Guide
 CFR Title 23 – Highways – Managing and Monitoring

OTHER RELATED LINKS

Sites and Resources

- American Association of State Highway and Transportation Officials
- Intelligent Transportation Society of America
- Institute of Transportation Engineers (ITE)
- Institute of Electrical and Electronics Engineers
- International Conferences on Weigh-in-Motion
- ITS Archived Data User Service
- National Transportation Communications for ITS Protocol (NTICIP)
- Texas Transportation Institute - ITS Data Archiving (ITDI)
- TTI's Mobility Monitoring Program
- Transportation Research Board - Government Related Sites
- Vehicle Detector Clean/Inhouse

Quick Find Data (Tables from Highway Statistics, tables VM-1, VM-2)

Publications and Reports

- Accuracy of Traffic Monitoring Equipment
- Analysis of Vehicle Classification and Truck Weight Data of the New England States
- Archive and Use of ITS-Generated Data
- Case Studies of Traffic Monitoring Programs in Large Urban Areas [PDF]
- Commodity Flow Survey

Outside Sources

North American Travel Monitoring Exposition and Conference (NATMEC 2010)
 North American Travel Monitoring Conference and Exposition (NATMEC 2008)
 North American Travel Monitoring Exposition and Conference (NATMEC 2006)
 North American Travel Monitoring Exposition and Conference (NATMEC 2004)
 North American Travel Monitoring Exposition and Conference (NATMEC 2002)
 North American Travel Monitoring Exposition and Conference (NATMEC 2000)
 North American Travel Monitoring Exposition and Conference (NATMEC98)

National Traffic Data Acquisition Conference (NATDAC96)

Volume 1 [PDF]
 Volume 2 [PDF]

Non-Intrusive Traffic Detection
 State DOT's Travel Monitoring Survey Results Report (CDOT, November 2007) [PDF]
 "State-of-the-Art" Report on Non-Traditional Traffic Counting Methods

Urban Vehicle Operations Using Non-Intrusive Technologies

Vehicle Inventory and Use Survey (VIUS)
 Weigh-in-Motion Handbook
 Weigh-in-Motion Technology
 WIM Benchmarking Report

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



FHWA "Highway Community Exchange" Online Forum

U.S. Department of Transportation
Federal Highway Administration

Sign In

Search this site...

Site Actions ▾ Browse Page

Highway Community Exchange ▸ Topic
Highway Community Exchange

FHWA TR.gov Manage Account ▾ Help/FAQ Contact Us

Discussion List

Subject	Created By	Replies	Last Updated
Talking Traffic Jan 8, 2013 at 2 pm (est) on Weigh-in-Motion	Steven Jessberger	0	1/8/2013 6:43 AM
Receiving Notification of New Discussions	Tricia Tanner	11	12/10/2012 3:27 PM
Talking Traffic December 2012 thru July 2013 schedule of future events	Steven Jessberger	0	12/10/2012 3:11 AM
Talking Traffic November 13, 2012 at 2:00 pm (EST) HPMS QC	Steven Jessberger	0	11/13/2012 12:48 PM
Talking Traffic for October 2012 cancelled	Steven Jessberger	1	10/10/2012 11:33 AM
TMAS 2.0 is going live for State users on October 1, 2012	Steven Jessberger	0	9/26/2012 12:48 PM
Laying Tubes across sidewalks or bike lanes	Don Crownover	1	9/21/2012 11:33 AM
Talking Traffic webinar on Urban Traffic Counts / High Volume Counts (August 14, 2012)	Steven Jessberger	0	8/6/2012 8:07 AM
JULY 10, 2012 TALKING TRAFFIC WEBINAR	David Gudzinis	0	7/6/2012 7:10 AM

Archived Discussions

Subject	Replies	Date Created	Original Author
Federal Highway Administration's (FHWA) Traffic Monitoring Guide (TMG) Update	0	3/15/2012 9:58 AM	David L. Jones Sr.
Re: Talking Traffic (March 13th) on HPMS GIS Data Quality Control Checks	0	3/14/2012 6:29 PM	Leroy
Talking Traffic (March 13th) on HPMS GIS Data Quality Control Checks	0	3/8/2012 7:01 AM	Steven Jessberger
ASTM document reviews	0	3/5/2012 1:57 PM	Steven Jessberger
December 2011 TVT Report	0	2/23/2012 9:19 AM	Danny Jenkins
Talking Traffic on NATMEC 2012 - Feb 14, 2012 at 2:00 pm (EST)	0	2/7/2012 1:46 PM	Steven Jessberger
November 2011 TVT Report	0	1/23/2012 7:06 AM	Danny Jenkins
October 2011 TVT report	0	12/27/2011 8:47 AM	Danny Jenkins
Re: Talking Traffic webinar on the TMG update	0	12/14/2011 2:29 PM	James Teeter
Talking Traffic Jan 10, 2012 on Weigh-in-Motion	0	12/14/2011 9:12 AM	David L. Jones
Talking Traffic webinar on the TMG update	0	12/7/2011 8:44 AM	David L. Jones

Topic Navigator

- Alternative Contracting
- Border Technology Exchange Working Group
- Data Dogs
- Highway Performance Monitoring System (HPMS)
- Highway Performance Monitoring System (HPMS) CoP
- Knowledge Management Practice CoP
- LTPP Info Standard Data Release
- Marketing and Communications
- Midwestern Transportation Research Network
- Motor Fuel Reporting and HTF Attribution
- National Highway Visibility
- National Household Travel Survey
- NCHRP 1-37A (Mechanistic-Empirical) Design Guide
- Performance Measurement
- Road Weather Management and Operations
- Rural ITS
- State Standards Engineer
- Surface Transportation Finance
- Tennessee Air Quality and Transportation Conformity
- Testing notifications

Related Links

Type	URL
Document	Highway Statistics
Document	Traffic Monitoring Guide

Archived Discussions

Topic Navigator



FHWA “Talking Traffic” Webinar Series



The screenshot shows an Adobe Connect window titled "FHWA - Talking Traffic (Sharing) - Adobe Connect". The main content area displays a slide with the following text:

**Welcome to the
Talking Traffic Webinar Series**

Sponsored by the:



**U.S. Department of Transportation
Federal Highway Administration
Office of Highway Policy Information
Travel Monitoring and Surveys Division**

Talking Traffic webinars are always open to the public and are held on the 2nd Tuesday of the month at 2 pm (EST).

Please contact Steven Jessberger with any questions or concerns about the webinar series.
steven.jessberger@dot.gov 202-366-5052

The interface also includes a sidebar with "Audio Information" (1-877-848-7030, Passcode: 6217068), an "Attendee List" (1 attendee), "Hosts" (1: Steven Jessberger), "Presenters" (0), and "Participants" (0). A "Chat" window at the bottom shows a message: "The chat history has been cleared. Steven Jessberger: Welcome - we will be starting at 2:00 pm today."





Research Resources - NCHRP

TRB's National Cooperative Highway Research Program:

- 01-37A and 01-39: *MEPDG*
- 07-17: *Pedestrian and Bicycle Transportation along Existing Roads*
- 07-19: *Methods and Technologies for Collecting Pedestrian and Bicycle Volume Data*
- 08-81: *Collecting Accurate Motorcycle Travel Data to Reduce Rising Fatalities on the Nation's Highways*

<http://www.trb.org/NCHRP/NCHRP.aspx>





Research Resources – Pooled Funds

FHWA's Transportation Pooled Fund Program:

- TPF-5(280): Web-Based Traffic Data Visualization and Analysis Tools
- TPF-5(192): Loop and Length Based Classification
- TPF-5(Solicitation #750): Evaluation of Non-Intrusive Technologies for Traffic Detection (Phase II)
- TPF5(171): Evaluation of Non-Intrusive Technologies for Traffic Detection (Phase III)
- TPF-5(004): Long-Term Pavement Performance (LTPP) Specific Pavement Study (SPS) Traffic Data Collection
- TPF-5(292): Assessing Roadway Traffic Count Duration and Frequency Impacts on AADT Estimation

<http://www.pooledfund.org/>





Benefits of Pooled Fund Research

- Small contributions by individual States can lead to a large and comprehensive study
- Allow for collaborative work among States
- Lead to projects getting done that cannot be funded at the State level





Additional Resources

- ASTM
- Small Business Investment Research (SBIR)
- American Society of Civil Engineers (ASCE)
- AASHTO
- Institute of Transportation Engineers (ITE)
- FHWA offices (Freight, Safety, Pavements, Bridges, Environmental)
- State DOTs



TRB Highway Traffic Monitoring Committee (ABJ-35)



Highway Traffic Monitoring Committee (ABJ-35)

Search this site

Home

Committee Information

- Research
- Committee Coordination
- Resources and Downloads
- Workshops

Traffic Monitoring Guidebook (TMG)

Meeting Information

- TRB Hwy Traffic Agenda
- TRB WIM Agenda
- Publications/Presentations
- Membership Directory

Calendar

News

Webinars / Communication

Contact Us

Transportation Research Board

- TRB Basics
- TRB Research Paper Information

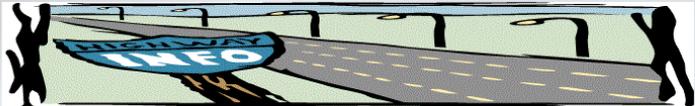
Looking for Equipment, Data or Standards?

- Data Source Links
- Vendor Listing
- Standards & Documentation

Discussion Board

Join Our Discussion!

Home



Why You Should Join the Highway Traffic Monitoring Committee?

To stay informed about national traffic monitoring projects, research, and committee happenings!

Welcome to the Transportation Research Board (TRB) ABJ-35 Highway Traffic Monitoring Committee Website! If you are interested in traffic data, this is the place to find information, join the committee, and participate in a national committee that is committed to sharing ideas about how to develop travel monitoring data programs that use, share, integrate, access, and research traffic monitoring data.

What's happening nationally in the Traffic Monitoring World?

There are a number of research project statements that have been submitted to different organizations for funding, soon a call for TRB papers will be announced, and TRB annual workshops are currently being designed to meet the needs of the traffic monitoring data community.

COMMITTEE PARTICIPATION BENEFITS:

- To gain useful information and real world experiences
- To keep yourself and your organization up-to-date on the latest research and issues
- To meet leaders in the profession - networking
- To become part of a community
- To advance as a professional and for personal development

To learn more about the Committee, [click here](#).

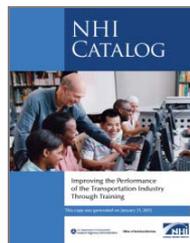
<https://sites.google.com/site/highwaytrafficmonitoring/>



NHI Courses

- 151050 – Traffic Monitoring Programs: Guidance and Procedures
- 133108 – Planning and Managing Successful Applications of Traffic Analysis Tools
- 133113 – Work Zone Traffic Control for Maintenance Operations
- 134077 – Contract Administration Core Curriculum
- 134101 – Design of Pavement
- 151044 – Traffic Monitoring and Pavement Design Programs
- 152054 – Introduction to Urban Travel Demand Forecasting
- 152072 – Highway Program Financing
- Full NHI catalog:

<http://www.nhi.fhwa.dot.gov/downloads/catalog/nhicoursecatalog.pdf>



Online Resources Summary Table

Site	Description	Address
NCHRP	Research database	http://www.trb.org/NCHRP/NCHRP.aspx
Transportation Pooled Fund	Research database	http://www.pooledfund.org/
FHWA OHPI	Portal to travel monitoring and other Office topics	http://www.fhwa.dot.gov/policyinformation/index.cfm
FHWA Travel Monitoring	Various travel monitoring resources	http://www.fhwa.dot.gov/policyinformation/travelmonitoring.cfm
TRB Traffic Monitoring Committee	Committee activities and resources	https://sites.google.com/site/highwaytrafficmonitoring/
NHI Catalog	Listing of courses	http://www.nhi.fhwa.dot.gov/downloads/catalog/nhicoursecatalog.pdf