



# Vehicle Detector *Clearinghouse*

Special Edition—2006 North American Travel Monitoring and Exhibition Conference (NATMEC)

## VDC Mission

The VDC Mission continues to be to provide information to transportation agencies on the capabilities of commercially available vehicle detectors by collecting, organizing and sharing information concerning tests and tests procedures in a timely, efficient, and cost-effective manner.

The VDC will act as a catalyst for developing standard test protocols so that no matter who performed the tests, the results will be widely acceptable. Equipment types included in the VDC are devices that detect vehicle presence, speed, axles, classification (AVC), and weight (WIM).



## ACTIVITIES

*In order to fulfill the VDC Mission stated previously, the VDC engages in the following activities:*

- Maintain a VDC home page on the World Wide Web;
- Publish a VDC Newsletter;
- Participate actively in standards development efforts for vehicle detection devices through the American Society for Testing and Materials (ASTM);
- Facilitate an electronic communication network within the vehicle detector expert, manufacturer, and research community via a VDC listserv or VDCLS.

You can subscribe to the VDCLS on-line at the VDC web site or by sending an e-mail message to [listproc@nmsu.edu](mailto:listproc@nmsu.edu). The message should read, "Subscribe vdcls YOUR NAME." YOUR NAME is your real name, not your E-mail name. No subject line is necessary. **Note: If you signed up for the VDCLS in the past and have changed your Email address since then, please sign up again with your new address!**

For those individuals without Internet access, conventional modes of communication like regular mail and telephone can be used to contact the VDC.

## WEB SITE

VDC information is available primarily via the VDC web site. The major sections are discussed briefly in the following sections.

**What's New.** This section includes:  
Online Reports;  
New Product Information;  
VDC updates;  
VDC Listserv Discussion Group;  
VDC Mission and Contact Information

**About Us.** This section includes:  
Brief Introduction to VDC;  
VDC Listserv Discussion Group subscription;  
and  
VDC Project Contacts.

**Technical Assistance.** This section includes:  
Online technical assistance request form; and  
List of questions asked to the VDC in the past and the respective VDC response.

**Events.** This section includes a list of events related to transportation or vehicle detection including the dates, registration link, and location.

**Equipment.** This section includes two searchable databases on vehicle detection and surveillance equipment including:  
Data collection equipment database; and  
Vehicle Detection and Surveillance Technologies.

These databases are considered to be the heart of the VDC web site.

**Publications.** This section includes abstracts, conference proceedings, and publications in the following categories:  
Data Collection;  
Miscellaneous;  
Traffic Monitoring;  
Traffic Management;  
Vehicle Classification; and  
Weigh-in-Motion.

**Contacts.** This section includes contact information including Email addresses where available for the following:

- SHRP LTPP Regional Engineers;
- State Contacts;
- Technology Transfer Contacts; and
- University Transportation Centers Program.

**Links.** This section includes direct links to:

- Federal and State DOT Agencies including AASHTO, FHWA, State DOTs, and US DOT;
- Research and testing centers;
- Transportation Resources;
- International Counterparts;
- Standards development organizations;
- Vendors/manufacturers of vehicle detection equipment.

## STANDARDS DEVELOPMENT

The VDC team members are members of the American Society for Testing and Materials (ASTM) E17.52 Subcommittee on Traffic Monitoring Devices. This group is involved in the development of standards for testing vehicle detection devices.

ASTM E17.52 Subcommittee members meet in June and December every year to work on the new standards or revisions of existing standards.

The following standards that have been developed by E17.52:

- E1318-02 – Standard Specification for Highway Weigh-in-Motion (WIM) Systems with User Requirements and Test Methods;
  - E1957-04 – Standard Practice for Installing and Using Pneumatic Tubes with Roadway Traffic Counters and Classifiers;
  - E2415-05 – Standard Practice for Installing Piezoelectric Highway Traffic Sensors; and
  - E2467-05 – Standard Practice for Developing Axle Count Adjustment Factors.
- Draft Specification for Highway Traffic Monitoring Devices;*  
*Draft Test Method for Evaluating Performance of Highway Traffic Monitoring Devices; and*  
*Draft Standard Practice for the Installation of Inductive Loop Detectors.*

## FOR MORE INFORMATION CONTACT

LUZ-ELENA MIMBELA, PROGRAM MANAGER  
New Mexico State University  
Southwest Technology Development Institute  
P.O. Box 30001/MSC 3SOLAR  
Las Cruces, NM 88003

Telephone: (505) 646-4240  
Fax: (505) 646-2960  
E-mail: [lmimbela@nmsu.edu](mailto:lmimbela@nmsu.edu)  
<http://www.nmsu.edu/~traffic>

