



## Identifying ITS Opportunities for the HA Pilots Newsletter: November 2009

### ■ ITS RADAR INTERNATIONAL PROJECT

This project is providing intelligence for the Highways Agency on ITS developments in Europe and around the world. It is carried out by TRL and AECOM on behalf of the HA. The project summarises key information for decision makers and practitioners on activities related to Intelligent Transport Systems (ITS). The project covers specific areas of key interest to the HA.

Regular newsletters are being produced, covering information which is in the public domain. For more information about the project and the services provided, the web site can be reached at: [www.highways.gov.uk/itsradar](http://www.highways.gov.uk/itsradar).

To contact us and let us know what you would like this project to deliver please email us at: [ITSRadarInternational@trl.co.uk](mailto:ITSRadarInternational@trl.co.uk)

### ■ ABOUT PILOTS

Developments in innovative pilot projects for ITS technologies and services from around the world are monitored and reported here.

These pilots are used to test and assess the potential and impacts of newly developed services before they are deployed for widespread use by the travelling public and those who manage the transport system.

Intelligence on such pilots supports the development of new systems and services in the Highways Agency and on the road network.

Note that pilots and demonstrations which are part of European Research Programmes can be found in the European Research Newsletter.

### ■ MEETINGS

None to report

### ■ PROJECTS

#### **Washington fits infra-red systems to traffic cameras**

Source: [www.roadtraffic-technology.com](http://www.roadtraffic-technology.com)

The Washington State Department of Transportation (WSDOT) has replaced its traffic cameras on part of the I-90 with eight low-light cameras. Thanks to infrared illuminators, 24-hour real-time views of highways conditions are

available to the public via WSDOT's state-wide traveller information website, so that drivers can plan trips according to weather conditions. Road users can now be warned about emergencies 24 hours a day. This \$60,000 project was funded by the American Recovery and Reinvestment Act. The public can check how the project money is being spent on a new website - <http://www.recovery.wa.gov>.

Keywords: Emergency, Monitoring, Project

### **New cellular-based VMS system to be installed on Cape Town's highways**

Source: [www.traffictechanologytoday.com](http://www.traffictechanologytoday.com)

New variable message signs (VMS) based on cellular communication technology will be installed in the South African city of Cape Town. They will warn drivers about accidents and show alternative routes, thus minimising congestion. Images from a network of cameras will be sent to a central control room for analysis by operators. They will then decide which message should be displayed on the VMS. Cellular communication technology will enable remote monitoring and maintenance of on-site equipment.

Keywords: Monitoring, Traffic centre, Traffic information, Traffic management

### **Delphi to lead Active Safety Car research project**

Source: [www.traffictechanologytoday.com](http://www.traffictechanologytoday.com)

The Active Safety Car research project is aimed at improving road safety and fuel efficiency. It is part of the Automotive North Rhine-Westphalia programme in Germany. Delphi, a leading supplier in automotive industry, has been selected to lead the project with the help of researchers from Wuppertal University, Ceteq, Riedel Communications, Maschinenbau-Kooperation Wuppertal and Wirtschaftsförderung Wuppertal. The project is focused on the development of an advanced collision warning system based on high bandwidth car-to-car and car-to-infrastructure communication, pedestrian recognition cameras, radar technology and vision sensors.

Keywords: Cooperative vehicle systems, Incident, In-vehicle systems, Project, Safety

## ■ RECENT PUBLICATIONS

### **ISA trials meeting**

Source: Surveyor, 18 September 2009, pg. 5

Transport for London (TfL) officers met with Lancashire City Council representatives at the end of September to discuss the progress of the Intelligent Speed Adaptation (ISA) project and views on this technology.

The trial features vehicles equipped with the new London digital speed map and GPS-based equipment from Technolution. Road safety technology manager, Hamish Keith, said that TfL plans to prepare an official report by August 2010.

## ITS Radar International will monitor the outcome of the trial

Keywords: In-vehicle systems, Project, Safety

### Radar gains

Source: [ITS International, September/ October 2009](#)

The application of a millimetric-wave system as an operator support tool for using the hard shoulder as an extra running lane is being researched on the M42. Such utilisation of a hard shoulder is simpler, quicker to implement and less expensive than building an extra lane. In addition, new radar technology could automate the detection process.

The HARd Shoulder MONitoring System (HASMOS) demonstrated a high detection rate while keeping a false alarm rate to a minimum. It has proved the effectiveness of using radar to detect falling speed on a hard shoulder.

Keywords: Monitoring, Project, Traffic management

### ■ GLOSSARY

euroFOT	European Field Operational Test on Active Safety Systems
HASMOS	HARd Shoulder MONitoring System
ISA	Intelligent Speed Adaptation
TfL	Transport for London
VMS	Variable Message Signs
WSDOT	Washington State Department of Transportation