



**EIS Electronic Integrated Systems Inc.**

**TRB Committee on Freeway Operations Mid-year Meeting  
Milwaukee, Wisconsin**

**RTMS Progress Report**

The RTMS radar sensor makes traffic detection easy, reliable, and cost effective. RTMS is a multi-zone, true-presence detector designed for ATMS (highway, bridges, tunnels); ATIS; Traffic Counting; and Workzone Safety.

The RTMS provides the following key features and benefits:

- Accurate measurements of Volume, Occupancy, and Speed in up to eight lanes
- True presence to detect stationary, congested, and fast moving vehicles
- Quick, simple, and safe installation on low roadside poles without traffic disruptions
- Reliable performance in all-weather conditions including light transition
- Low life-cycle cost with
  - High reliability
  - No regular maintenance required

The RTMS vehicle detection solution is deployed in freeway installations around the World – Canada, USA, Beijing, Caracas, United Kingdom, Moscow, Lisbon, Hong Kong, Taiwan, and Korea.

The RTMS radar detector has been installed in, or specified for, the following US highway projects:

<b>Alaska:</b>	<b>Whittier Tunnel</b>
<b>California:</b>	<b>Eureka, Pacific Coast Highway Sacramento, I-80* San Francisco, Dunbarton Bridge* San Francisco, San Mateo Bridge*</b>
<b>Connecticut:</b>	<b>Hartford, I-91, I-84 (ATMS)</b>
<b>Illinois:</b>	<b>Chicago, I-55</b>
<b>Georgia:</b>	<b>Atlanta Beltway (Data Collection) (Specified)*</b>
<b>Kentucky:</b>	<b>Trimarc</b>
<b>Louisiana:</b>	<b>LADOT, Baton Rouge (FTMS)</b>
<b>Maryland:</b>	<b>CHART</b>
<b>Missouri:</b>	<b>MO Bi-state ITS, St. Louis</b>
<b>North Carolina:</b>	<b>CARAT</b>

<b>New Jersey:</b>	<b>MAGIC, I-80</b>
<b>New York:</b>	<b>George Washington Bridge Long Island Expressway (On-going)* Manhattan Bridge Van Wyck Expressway (On-going)* Whitestone Expressway (Specified)*</b>
<b>Ohio:</b>	<b>ARTIMIS Workzone Safety*</b>
<b>Pennsylvania:</b>	<b>I-95 TIMS, Philadelphia Penn Lincoln Parkway, Pittsburgh Traffic.com ATIS, Pittsburgh, Philadelphia Workzone Safety*</b>
<b>Rhode Island:</b>	<b>Providence IMS</b>
<b>South Carolina:</b>	<b>I-26 FTMS I-85 FTMS I-77 FTMS</b>
<b>Tennessee:</b>	<b>Workzone Safety*</b>
<b>Texas:</b>	<b>Fort Worth (ATIS)*</b>
<b>Virginia:</b>	<b>Hampton Roads, Phase I (Loop Replacement)* Workzone Safety*</b>
<b>Washington:</b>	<b>North Seattle, Highway #SR-99* Olympia, 1-5*</b>

\* Within the last six months

### **New Product Information**

The RTMS/170 Isolator Board is a dual loop speed trap emulator, enabling users to replace traditional Inductive Loop Detectors (ILD) with the side-fired RTMS radar sensor, without changing their 170 controllers or the existing TOC software. Key features of the RTMS/170 are: it provides isolation between the RTMS outputs and the 170 controller, enables a side-fired RTMS to emulate 4 single loops or 2 dual-loop speed traps, emulates output of 6'6 loops using RTMS contact closure, and provides a Fail-safe operation mode. The Isolator Board plugs into the Input File of a Type 170 controller.

The RTMS/NEWS (Nodal Event Warning System) is a traffic event detection and warning tool using input provided by one or more RTMS radar-based, multi-lane vehicle detection sensors. In real-time, the RTMS data is compared with user-defined events and when an incident is detected, RTMS/NEWS provides a warning through either a serial communications channel or a contact closure.

The RTMS DataAnalyst 2.5 for Excel 97/2000 offers a user-friendly interface and a full help system, plus better handling of data errors, and greater stability and performance than ever before. RTMS DataAnalyst 2.5 enables users to convert RTMS ACSII data into spreadsheets in Microsoft Excel for filtering information and generating graphs. It is available at no-charge to all users of RTMS, RTC, RTMS-Water and RTMS/FTMS installations. It is designed for Windows 95/98/Me as well as Windows NT 4.0 and Windows 2000.

**For more information on EIS and the RTMS products, visit our website at:**

**[www.rtms-by-eis.com](http://www.rtms-by-eis.com)**



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