



INTERNATIONAL ROAD DYNAMICS INC.

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## **BUSINESS UPDATE ONLY - NON-MATERIAL INFORMATION**

### **CONCRETE MATURITY MONITOR GOES WIRELESS**

**January 27, 2003** - International Road Dynamics Inc. (IRD) introduces its new Wireless Concrete Maturity Monitor, providing users with convenient, accurate and efficient information on the curing time of their concrete. The Concrete Maturity Monitor facilitates significant time and cost savings by reducing the number of compression tests or eliminating the need for compression testing altogether. The IRD Concrete Maturity Monitor is the only "Wireless" Concrete Maturity Monitor available.

The IRD Wireless Concrete Maturity Testing Monitor uses Radio Frequency (RF) communication between small embedded temperature monitoring sensors and a hand-held PC, which can monitor multiple sites. The handheld unit uses a standard ASTM process (ASTM C1074, ACI 228) and algorithms to predict concrete compressive strength from measured temperature data. Users have the option to use either time/temperature factor or equivalent age methods, and data can be viewed in either graphical or tabular presentations.

The information from the Concrete Maturity Monitor supplements conventional concrete strength testing methods and provides contractors with accurate data on the compressive strength development or the curing time of concrete. With easy access to the information provided by this non-destructive assessment of concrete maturity, the user benefits through more informed decision making regarding concrete strength and curing time for improved project schedule decisions.

The system consists of a pocket PC using Microsoft(tm) PC 2002, a PCMCIA, i-card and adapter, the concrete monitoring software, and temperature monitoring sensors.

IRD will be introducing the Concrete Maturity Monitor at the World of Concrete Conference and Exhibition at the Las Vegas Convention Center from February 4th to 7<sup>th</sup>, 2003. Please visit **Booth No. 575** for a demonstration and to discuss how the Concrete Maturity Monitor can assist you with your concrete projects. For further information on the World of Concrete, please visit [www.worldofconcrete.com](http://www.worldofconcrete.com).

For more detailed information, please click on [www.irdinc.com](http://www.irdinc.com). For pricing or additional product information, please contact Mr. Peter Kooy, Product Manager at e-mail: [peter.kooy@irdinc.com](mailto:peter.kooy@irdinc.com) or at tel: 306-653-9660.

IRD is a highway traffic management technology company specializing in supplying products and systems to the global Intelligent Transportation Systems (ITS) industry. IRD is a North American company based in Saskatoon, Saskatchewan with sales and service offices throughout the United States and overseas. Private corporations, transportation agencies and highway authorities around the world use IRD's products and advanced systems to manage and protect their highway infrastructures.

IRD is listed on the TSX – trading symbol – IRD

[www.irdinc.com](http://www.irdinc.com)