



INTERNATIONAL ROAD DYNAMICS INC.



IRD is a highway systems technology company producing a variety of integrated solutions to better manage the operations and improve the safety of highway facilities. These Intelligent Transportation Systems (ITS) are used worldwide by highway managers and operators.

Our systems are designed and built by a multi-disciplinary, customer-focused team which fuses core IRD technology with integrated computing and communications technologies. IRD's base of technology includes Weigh-In-Motion (WIM), vehicle detection and vehicle measuring systems.

We deliver custom ITS systems under public-private partnerships, including installation and maintenance. These financial agreements facilitate earlier acquisition and deployment of ITS technology. The highways agency avoids a high investment in technology-based infrastructure and the risk of becoming technologically obsolete.



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

## AUTOMATED TRUCK WEIGH STATIONS/COMMERCIAL VEHICLE OPERATIONS

IRD Truck Weigh Station and Commercial Vehicle Operations (CVO) systems automate numerous standard and custom functions. Weigh-In-Motion (WIM) technology provides an automatic method of screening heavy vehicles for size and weight infractions. Automatic Vehicle Identification (AVI) technology is further integrated to provide real-time screening of credential and safety information. IRD integrates numerous functions into a single operator work station, including static or dynamic (Slow Speed WIM) citation scales, automated citation software and the Commercial Vehicle Information Systems and Network (CVISN) electronic preclearance program. IRD is a leader in the development and deployment of systems for portable or mobile operations, and next-generation enforcement applications such as the Virtual Weigh Station, Automated Photo Image Weigh-In-Motion and Remote Controlled and Autonomous Enforcement. Additionally, IRD's GateWeigh is an application of Weigh-In-Motion technology for Private Sector users, including Container and Intermodal Terminals.



## TOLL SYSTEMS

IRD manufactures and deploys turnkey automated toll collection and shadow toll systems. Automated toll collection systems incorporate pre- or post-classification of vehicles with lane control and toll audit functions. Various payment methods can be integrated, including electronic payment via RF tag or smart card, and tolls can also be based upon Weigh-In-Motion data. IRD DYNAX treadle systems provide unrivaled detection accuracy and are simple to maintain. Enhanced traffic and audit reporting systems optimize revenue collection in both the automated toll collection and shadow toll systems.



## TRAFFIC DATA COLLECTION SYSTEMS

IRD manufactures and installs a full spectrum of Traffic Data Collection systems designed to provide information that will enhance an agency's decision-making. From portable and temporary equipment to multi-lane, advanced installations, IRD equipment provides high accuracy and reliability.



## INTELLIGENT TRAFFIC SAFETY AND ADVISORY SYSTEMS

IRD Intelligent Traffic Safety and Advisory systems prevent accidents by warning drivers of upcoming dangerous conditions including long downgrades and sharp curves for trucks. Intelligent Work Zone Safety systems provide all drivers with important information, such as upcoming delays, smooth traffic flows and reduce aggressive driving in traffic control areas.



## DRIVER AND FLEET MANAGEMENT SYSTEMS

IRD Driver and Fleet Management systems employ in-vehicle technology to monitor and report vehicle operation and location information. Combined with wireless data communications, global positioning (GPS) and other in-vehicle systems, integrated programs enhance vehicle and driver management. Driver management systems provide real-time feedback on driver performance and allow fleet managers to reduce vehicle operating costs by encouraging good driving habits. Vehicle location and tracking systems monitor compliance with special permits while providing scheduling and routing data.



## MAINTENANCE, SERVICE AND SUPPORT

IRD backs up our customer-focused pledge with an extensive service network. Focused maintenance and service programs can be designed and implemented by IRD to provide maximum system availability, for continued high benefits. IRD's specialist team can additionally provide data collection, verification and analysis services complete with web based reporting.



**We make  
highways  
talk™**



**CUSTOMER  
DRIVEN™**



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Publicly Traded on the TSX (Symbol IRD)  
Find out more about IRD on our web site at [www.irdinc.com](http://www.irdinc.com) or email: [info@irdinc.com](mailto:info@irdinc.com).

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