



INTERNATIONAL ROAD DYNAMICS INC.

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BUSINESS UPDATE ONLY - NON-MATERIAL INFORMATION

IRD WEIGH-IN-MOTION BRIDGES THE GAP

April 29, 2003 - As bridges across North America age public safety is a serious concern for responsible agencies. Recent statistics indicate that more than 25% of bridges are structurally deficient or obsolete. At the same time, truck traffic is forecasted to continue to rise over the next decade. It is reported that public agencies do not have the resources or funding to maintain or replace these bridges; therefore, it is imperative that these bridges be preserved and made safer.

IRD's (International Road Dynamics Inc.) WIM (Weigh-In-Motion) technology can play a vital role by monitoring bridge loading and restricting dangerous overloads. WIM has been an accepted instrument for truck weight measurement monitoring and weight enforcement screening for more than 20 years. As a first step, the system can collect data on the traffic which is traveling across the bridge. From this data, authorities can determine the loadings on the bridge and take the appropriate counter-measures to protect the bridge structure. A WIM system in advance of the bridge will detect overweight vehicles and can warn the driver of restricted access or take other counter measures to automatically restrict access or inform the authorities with an alarm and/or a video image of the offending vehicle.

As vehicles approach the bridge, the WIM System automatically determines the size and weight classification of the vehicle and compares this information with the allowable loads for the upcoming bridge. If the vehicle exceeds the allowable weight limits, an advisory sign will be illuminated advising the driver that the vehicle should not travel across the bridge. The truck operator can then stop the vehicle and exit prior to crossing the bridge.

Additionally, the WIM can be integrated with a video tracking, monitoring and image grabbing system to ensure that vehicles obey the signals and warnings when advised to not cross the bridge. In the event a driver does not obey the message, an image of the vehicle, with the corresponding size and weight information is generated and stored for further action. The compliance and enforcement aspect of the system will deter drivers from purposely driving overloaded vehicles on a load sensitive bridge structure.

A further option is to incorporate over-height vehicle detection into the bridge monitoring system. An alarm activates a warning sign and/or an audible alarm to notify the driver that the vehicle is too high for the bridge, and provides the opportunity to take an alternate route.

For further information about IRD Bridge Monitoring Systems, please click

http://www.irdinc.com/english/html/sys/bridge_protection.htm

or contact Mr. Rod Klashinsky, VP of Sales at tel: 306-653-6600 or at e-mail: rod.klashinsky@irdinc.com.

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.