AN OUNCE OF PREVENTION IS WORTH A MILE OF....

ASPHALT

INTERNATIONAL ROAD DYNAMICS INC.
THE PROBLEM

COMMERCIAL VEHICLES ON SECONDARY AND URBAN HIGHWAYS

Increasing commercial vehicle traffic is shortening the life of non-primary infrastructure.

- High visibility enforcement on primary roads results in overweight violation rates of less than 2%
- Urban and secondary highways typically have a low level of enforcement. Low enforcement results in overweight violation rates often exceeding 25%
- Some trucks will avoid enforcement on primary roads by using secondary and urban roads
- Thinner surfaces on urban and secondary roads are more susceptible to overload damage
- Roadway damage cost due to overloaded trucks is estimated to be from $.08 to $2.50 per ton-mile, depending on vehicle weight

THE SOLUTION

IRD VIRTUAL WEIGH STATIONS

Virtual Weigh Stations provide highly visible weight enforcement.

- With targeted enforcement, only overloaded vehicles are identified
- Side-view and licence plate images provide positive vehicle ID
- 24/7 data collection
- Internet based/wireless access for real-time and post audit activities
THE SYSTEM

MAKING ‘VIRTUAL’ A REALITY

The integrated web-based virtual weigh station system allows for real-time enforcement of overloaded vehicles.

- Monitor for overloaded vehicles
- Collect real-time data with visual records
- Plan additional law enforcement activities

DISCREET, REAL-TIME TARGETED ENFORCEMENT

The IRD Virtual Weigh Station combines Weigh-In-Motion technology with integrated side-fire cameras and license plate image capturing systems.

- Access data through a secure web address
- Create customized reports based on user adjustable parameters:
  - hourly, daily, weekly, or monthly increments
  - vehicle speeds, classes and counts
  - number of violating and non-violating axles, axle groups, ESALs and GVWs

LEADING-EDGE TECHNOLOGY

Integration of all value added features/equipment.

- Robust industrial grade components
- Low power consumption; solar compatible
- Supports plug & play features

* Screen layout subject to change.
International Road Dynamics Inc. (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 with sales and service offices throughout Canada, the United States, Latin America, India and China.

With more than twenty-five years of experience, IRD is a multi-discipline company offering proprietary technologies that include automated truck weigh station systems, Virtual Weigh-In-Motion systems, advanced traffic control, management and data collection systems, automated toll road systems, and in-vehicle driver monitoring systems. The Company supports its products and solutions with long-term service and maintenance contracts.

IRD has installed its world-leading ITS solutions in countries around the globe, and currently has the world's largest installed base of Weigh-In-Motion with a growing presence in other related ITS applications and markets.

irdinc.com