



International
Road Dynamics Inc.

WHERE CVISN MEETS THE ROAD

IRD is a transportation products and systems company which utilizes advanced technology to design, manufacture and market advanced high technology, integrated traffic management and monitoring systems, and automated weight enforcement systems.

IRD participates in Virginia CVISN Development

International Road Dynamics Inc. (IRD) has been providing innovative solutions for ITS/CVO applications for nearly 20 years. IRD is proud to be a participant in the continued evolution of ITS/CVO with its participation in a number of CVISN (Commercial Vehicle Information Systems and Networks) pilot projects. While there are many architectural concepts and data management issues still to be developed and implemented with CVISN, IRD is putting systems into action today. IRD has been an active participant in developing the systems where CVISN is put to practical use -- at the roadside.

Virginia Stephens City Weigh Station



*IRD Weigh-in-Motion
System*

IRD has helped implement the first deployment of CVISN for prescreening of vehicles at a weigh station as a pilot project for Virginia DOT. The Stephens City weigh station was upgraded by IRD from a traditional ramp sorter using Weigh-in-Motion (WIM) technology, to include credential sorting based on the CVISN program. The IRD supplied system is integrated with the CVISN Roadside Operations Computer (ROC) to receive regular updates to the vehicle safety and credential information.

Automatic Vehicle Identification (AVI) antennas and readers were integrated with the existing WIM system. The sorting system uses both the weight and dimension data and the safety and credential information from CVISN to determine if a vehicle should report for static weighing or further inspection.

Virginia DOT NOMAD



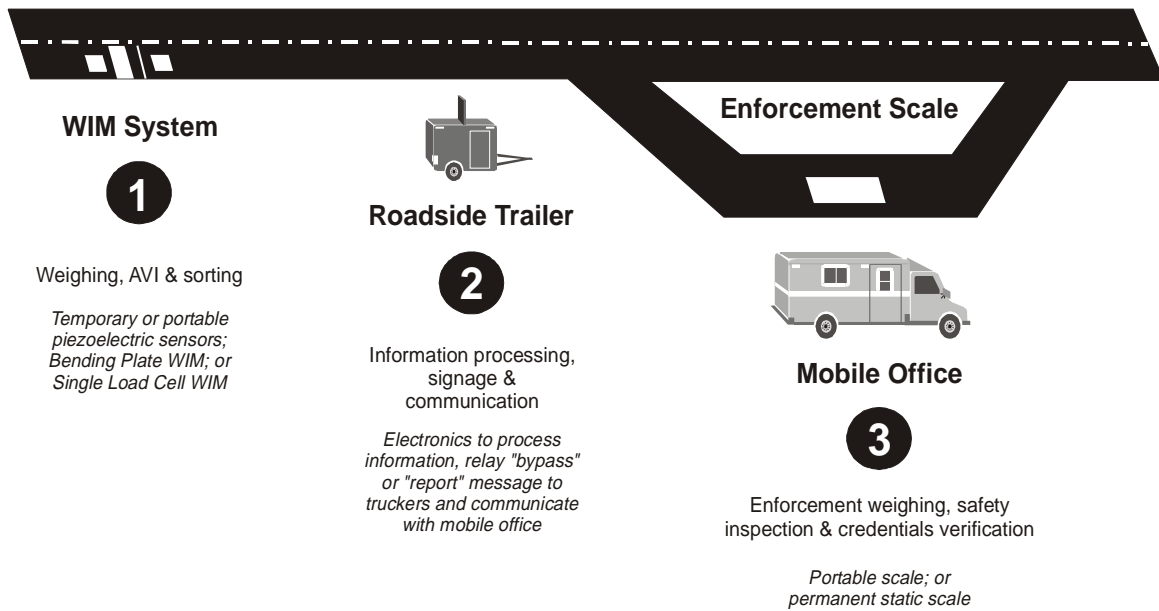
*Roadside Trailer supplied
for NOMAD project*

In a related CVISN pilot project, IRD has worked closely with Virginia DOT to supply components of the NOMAD system for testing the concept of a mobile sorting, weighing and inspection system. The NOMAD concept provides the ability to screen vehicles on the mainline based on weight and dimension compliance and credential checking. Vehicles likely to be safety, weight, or credential violators are selected from the traffic stream and directed to a temporary enforcement area. The system can be easily and rapidly deployed on secondary roads lacking regular enforcement facilities to improve safety and reduce pavement damage on these roads.

Virginia DOT NOMAD, continued

IRD participated in this development project by supplying the roadside trailer which contains processing electronics, portable AVI equipment, and variable message signing to select vehicles for further investigation. IRD also supplied electronics to be installed in VDOT's mobile office. The mobile office electronics communicate with the trailer equipment via an RF modem to transfer the vehicle record from the roadside to the mobile office. The mobile office electronics are also integrated with a Roadside Operations Computer (ROC) in the mobile office to obtain safety and credential information. A sorting decision is made by the mobile office electronics, relayed to the roadside via RF modem, and displayed to the driver using the trailer mounted VMS sign.

Mobile Truck Weight Enforcement and Inspection System



Minnesota CVISN System Development - St. Croix POE

In Minnesota, IRD is working as a participant in the development of the Statewide CVISN system. IRD will implement all equipment and functions occurring at the weigh station level, including the development and supply of the Roadside Screening System. The Roadside Screening System will communicate with the CVIEW system, being developed by the project team, to obtain and provide updated vehicle snapshots. IRD will be implementing upgrades at the St. Croix POE to use CVISN information as part of the decision making criteria.



St. Croix POE Ramp Sorter System

* Specifications subject to revision by IRD without notice.



International Road Dynamics Inc.

Corporate Offices

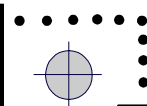
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