Intercomp®
advanced weighing technology . . . by any measure

• Application Note •

Weigh-In-Motion
Screening for Enforcement

Efficient Pre-Selection In Uruguay

Using mainline screening to identify potentially overweight vehicles at high speeds, Uruguayan infrastructure company, CIEMSA, aims to improve performance of existing in-road sensors to affect downstream weigh station efficiency.

With a single pair of Intercomp Strain Gauge Strip Sensors, users obtain improved accuracies for Gross Vehicle Weights and Axle Weights vs. piezoelectric sensors.

Intercomp Strip Sensors in the highway upstream of the weigh station.

Operating a network of 20 weigh stations with Weigh-In-Motion (WIM) technology, CIEMSA provides Uruguay's Ministerio de Transporte y Obras Públicas (MTOP) with a comprehensive, interconnected system to monitor the national routes. Traffic crosses freeflow WIM sites at high speeds, and vehicles that have potential weight violations are diverted to weigh stations for LS-WIM identification of the violations.

Using LS-WIM for weighing vehicles at a weigh station facility.

Though WIM technology allows for efficient operation of these weigh stations compared to static scales, unnecessary diversion of weight-compliant vehicles slows down transportation of goods, costing operators time and money. This also increases queues at existing weigh stations while processing these vehicles.

Installing Intercomp Strain Gauge Strip Sensors improves screening accuracies in the highways, which results in better flow in the mainline and reduced traffic at LS-WIM sites. This is achieved by allowing operators to bypass weigh stations when appropriate, while advancing towards the goals of vehicle safety and preserving the road infrastructure.

Sensors are installed in the pavement and ground flush with the roadway surface.

Additional Data or Customer Testimonials Available Upon Request