



Truck Weigh-in-Motion

INTELLIGENT TRANSPORTATION SYSTEMS IN THE PORTLAND METROPOLITAN REGION

Roadside technology allows trucks to skip the inspection line and save time, money.

BENEFITS

Mobility: Trucks are weighed and have credentials scanned without stopping.

Safety: Avoiding the weigh station means fewer high speed merges on the freeway.

Cost effectiveness: Roadside technology reduces labor costs.

Weigh stations may be a fact of life for trucks but they still represent a loss of valuable time. In a world of just-in-time deliveries, transportation agencies recognize that the business community expects weighing a truck and checking its credentials to take as little time as possible. At border crossings and other gateways, electronic communications are helping trucks save time. In Oregon, as in many other states, a combination of in-road and road-side technology is enabling ODOT to get all the information it needs about a truck – including the weight – without the driver needing to stop for even a minute.



Scales in the pavement weigh trucks as they pass while sensors above check their credentials.

At 22 locations around the state, ODOT has installed special sensors in the pavement of the roadway that can weigh a truck while it is in motion, even at highway speeds. For trucks that carry a transponder device, information about the truck and the driver can be received by an overhead receiver and combined with the measurement of the

truck's weight. If everything is in order, the truck can proceed without having to enter the weigh station at all. Only the trucks that have a problem or that do not have a transponder have to pull off the highway for a traditional inspection.



ODOT's Green Light preclearance system is deployed in 22 locations throughout the state.

In its first seven years, ODOT's weigh-in-motion initiative, nicknamed Project Green Light, is estimated to have saved trucking companies 524,000 hours of travel time and \$39 million in operating costs.

“Truckers save time and fuel that would be spent getting on and off the road and idling in weight station lines, chances for accidents are lessened, and the state and taxpayers save money that would have been spent on added staffing and weigh station facilities.”

– John Sallack,

For more information, visit www.metro-region.org

