

Weigh-in-motion

Replace highway weigh stations for trucks and other heavy vehicles with sensors that capture the weight of vehicles as they continue to move at highway speeds.



HOW WILL THIS HELP?

- ✓ Improves truck and freight mobility by keeping heavy vehicles moving as their weight information is collected.
- ✓ By eliminating stopping and idling, these systems also reduce fuel consumption and gas emissions.

HOW DOES IT WORK?

- ✓ The tools needed to implement a weigh-in-motion system are weight sensors and, if the data is stored centrally, a telecommunications system to transmit the weight data to a central location.
- ✓ Transportation agencies monitor weigh-in-motion system performance and use the weight data to analyze the effect of heavy vehicles on the roadway network.

TRANSPORTATION NEEDS ADDRESSED

- Travel Times
- Environmental Impact
- Mobility
- Reliability
- Freight
- Economic Development

COST MAGNITUDE

CAPITAL COST



OPERATION AND MAINTENANCE COST



WHEN TO CONSIDER THIS STRATEGY

- ✓ FREEWAY OR ARTERIALS IDENTIFIED AS SIGNIFICANT TRUCKING ROUTES

COMPLIMENTARY STRATEGIES

- ✓ TRUCK RESTRICTIONS

CONSIDERATIONS

- + PROVIDE AREAS BEHIND GUARDRAIL FOR MAINTENANCE PERSONNEL TO WORK OR PULL OVER THEIR VEHICLES AND EQUIPMENT.
- + PROVIDE A PROPER WORKSPACE AROUND ROADSIDE EQUIPMENT FOR AN OPERATOR/REPAIR TEAM TO ACCESS THE EQUIPMENT.
- + PROVIDE MAINTENANCE OF TRAFFIC (MOT) FOR LANE CLOSURES.