



Intelligent Transportation Systems

ODOT is using the latest technology to solve transportation problems throughout Oregon. Intelligent Transportation Systems use computers and other sophisticated equipment to make Oregon's highways safer and travel more efficient.

ODOT's ITS program goals

- Improve safety for travelers.
- Better manage the capacity of Oregon's highway system;
- Reduce highway operation and maintenance costs;
- Increase travel efficiency and predictability; and
- Improve mobility and access to alternate travel modes.

ITS at work in Oregon

- 144 highway cameras — 82 in the Portland area and 62 others located statewide. See them at TripCheck.com;
- 118 ramp meters and 463 in-road traffic sensors — all in the Portland area;
- 56 road and weather information stations — located statewide;
- 38 variable message signs — 18 in the Portland area and 20 others statewide; and
- 21 Green Light truck weigh station pre-clearance sites — located statewide.

Traffic management

- Traffic crashes and other incidents often cause congestion and safety hazards on state highways.
- ODOT's regional Transportation Operation Centers quickly send highway workers to clear crashes and other hazards in order to keep traffic moving and travelers safe.
- Special Incident Response Vehicle teams patrol major traffic corridors in Portland and northwest Oregon.

Incident Response Vehicle logs 2003

	Region 1	Region 2	Total
Crash	3,241	1,090	4,331
Disabled Vehicle	13,573	2,536	16,109
Hazard	3,678	2,875	6,553
Abandoned Vehicle	162	87	249
Construction	656	3	659
Congestion	7	59	66
Other	1,778	234	2,012
Total Responses	23,095	6,884	29,979



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TripCheck.com

- TripCheck.com, ODOT's award-winning web site, provides a wealth of travel information online, including:
 - State and city incident maps;
 - State and regional weather reports and forecasts;
 - Road cameras;
 - Winter travel information (current and forecasted weather, Sno-parks and traction devices);
 - Other ways to go (bus, rideshare, bicycle, airport);
 - Things to see and do (tourism scenic byways, rest areas);
 - Trucking information and
 - Mileage calculator.

511 for road conditions

- To check road conditions by phone, call toll free 511 or (800) 977-6368 in Oregon — outside Oregon call (503) 588-2941.
- Easy-to-use touch-tone menus provide information for highways, mountain passes, and major cities in Oregon.
- TripCheck's road condition phone system took more than 1 million calls in 2003.

ITS for public transportation

- In Portland, Automated Vehicle Location technology allows riders to monitor the arrival of their TriMet bus or MAX train.
- Real-time information is available to TriMet riders at about 8,000 bus stops and nearly 50 MAX light rail stations throughout the Portland metro area.
- The same real-time transit information is online at www.trimet.org/transittracker for all routes.
- ITS also controls traffic signal timing, giving buses priority at intersections and helping them to stay on schedule.