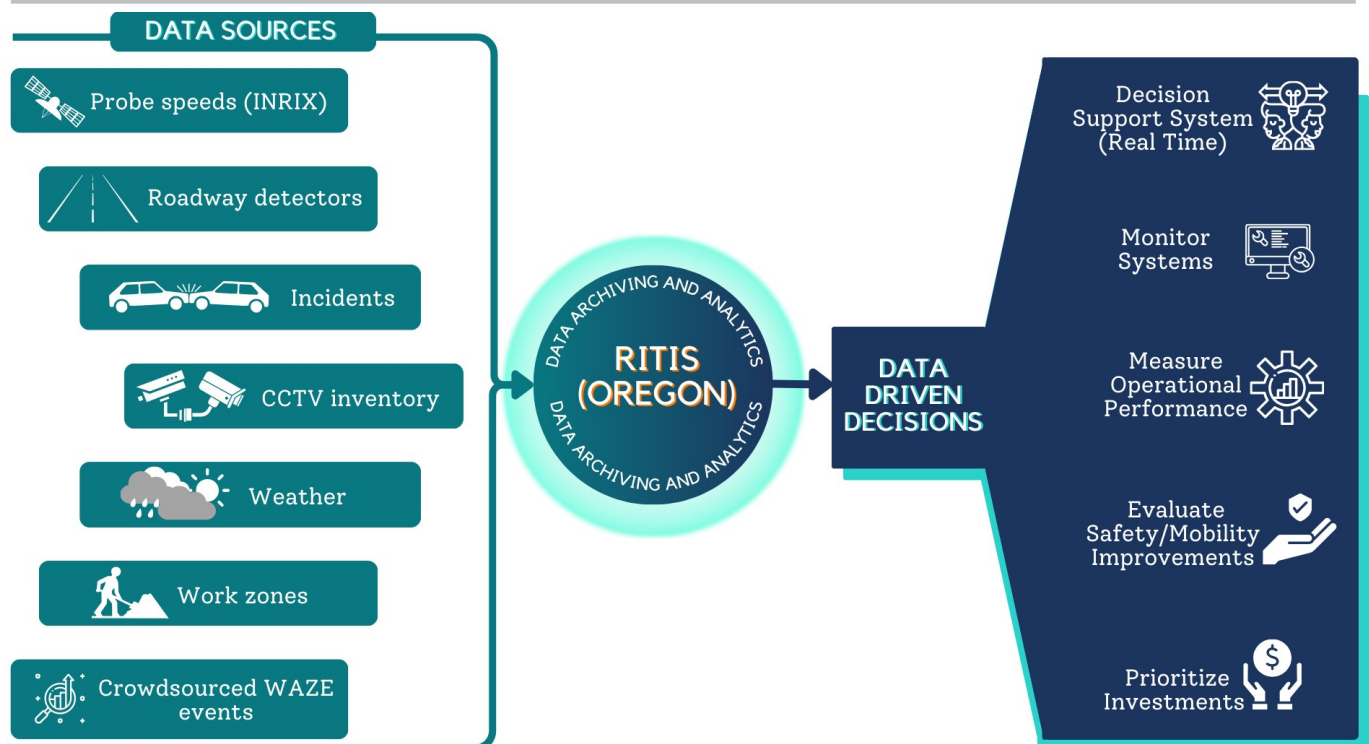


Regional Integrated Transportation Information System

Innovative Analysis Tools Improve Transportation System Performance

RITIS combines and analyzes data from multiple sources, such as INRIX® probe speed data, traffic incident data, work zone information, weather, speed limits, and roadway volume profiles, to enhance real-time analysis and historic reporting capabilities. Data in Oregon's RITIS system is available from 2016 to present.



Oregon implemented RITIS to help agencies make *data-driven* decisions that reduce delays and costs for transportation system users.

Who Can Use RITIS?

RITIS is available to all ODOT staff and Oregon public agencies such as cities, counties and metropolitan planning organizations. Consultants and universities who perform work for a public agency in Oregon can also access RITIS. Access to RITIS is free of charge! Organizations must sign an INRIX data use agreement when requesting a RITIS account at www.ritis.org.

Resources

Training sessions, Oregon's RITIS Handbook, frequently asked questions, and other helpful materials are available on ODOT's RITIS webpage.

Anyone is welcome to join Oregon's RITIS Users Group! Contact Chi Mai in ODOT's Transportation Planning Analysis Unit to join.

RITIS FOR EVENT PLANNING AND RESPONSE

RITIS has numerous tools to help traffic managers, dispatch centers, and first responders clear accidents faster, plan incident response strategies, and evaluate the effectiveness of prior actions.

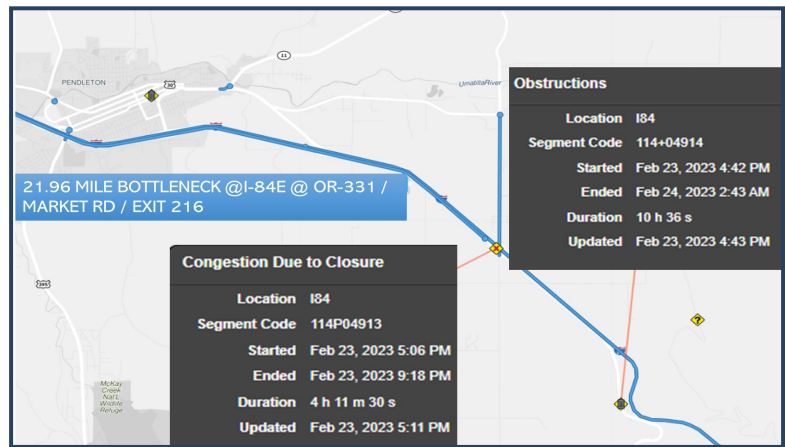
Armed Carjacking on I-5



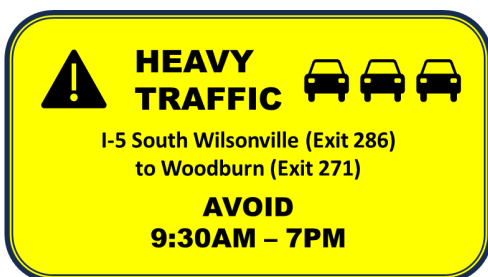
On a Monday in early December 2021, an armed carjacking suspect fleeing police near north Portland drove the wrong way on I-5, shot at a person in another vehicle, and was fatally shot by police. The interstate was closed in both directions for crime scene investigation for 7 hours. Using RITIS we are able to quantify the public impacts of this event with hard numbers: 20,900 hours vehicle hours of delay in Multnomah County (a 90-95% increase over a normal Monday), which translated to an increased of \$618,000 in user delay costs on that day.

“Cabbage Hill” Weather

In eastern Oregon, a seven-mile stretch of I-84 west of LaGrande has a reputation as one of Oregon’s most hazardous roadways. Steep, winding grades, and changeable and severe weather can impair visibility and lead to icy conditions. Few detour opportunities are available when incidents occur. Using RITIS, we can estimate the costs and community impacts of these delays—an important first step to determining effective solutions.



Holiday Shoppers Stress the System in Woodburn



Each year, ODOT and the City of Woodburn brace themselves for calamitous traffic conditions as shoppers descend upon the Woodburn outlet malls on the day after Thanksgiving. RITIS is helping us review traffic conditions on local arterials and frontage roads on this day from previous years. We can now anticipate where, when, and why trouble spots are likely to appear and identify effective strategies to help manage traffic on future “Black Fridays”.

COVID, and a Cost Savings Opportunity

During the COVID pandemic, ODOT was asked to help determine if people were complying with stay at home orders. As ODOT used RITIS to prepare regular congestion reports comparing traffic conditions to pre-pandemic numbers, a golden opportunity was discovered. In the Portland region, these reports showed such a drop in congestion on I-5 that ODOT was able to extend construction hours on the interstate, significantly shortening the overall duration and impacts of construction work for the traveling public.

