



Case Study

Organization
Vermont Agency of Transportation

Location
Montpelier, Vermont

Industry
Railroad Transportation

Vermont Agency of Transportation Speeds Rail Inspections by 75 Percent

The Vermont Agency of Transportation (VTrans) owns and manages more than 600 miles of active rail lines and trails, including more than 400 annually inspected crossings. In the past, VTrans used a combination of tabular crossing data, printed maps, laptops, notepads, and digital cameras to capture field inspection data. After several major storms hit Vermont, which consequently shed light on the value of GIS across VTrans, the inspections team looked for a more modern way to collect inspections data.

What did they do?

VTrans staff collaborated with Esri to configure the Collector for ArcGIS® app. They tested the app on iOS mobile devices and deployed the configuration in less than a year. VTrans field inspectors used Collector to access GIS data, including crossing locations and asset attribute information. During inspections, staff collected photographic, condition, and other inspection-related data. Supervisors in the office watched in real time as the field inspectors collected data and synced live job completions to the central geodatabase. The supervisors used Esri® Operations Dashboard for ArcGIS to view the inspectors' progress and were able to provide instant feedback. Supervisors could quickly see whether an inspector needed to return to capture a better photo or whether the inspection findings merited issuing a work order.

Do I need this?

For utility and communication companies, ArcGIS provides a common platform to access business data. Employees can better manage assets, update network information, integrate work orders, find customer information, and prepare reports.

"With the Collector for ArcGIS app, our inspection time went from four months to four weeks."

Stephen Smith
GIS Project Supervisor
Vermont Agency of Transportation

For more information, visit esri.com/railways.



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