

Gravel Road Condition Rating



Application Overview

Gravel roadways continue to be a challenge when it comes to proactive management and maintenance. Typically, gravel roadways are managed in a reactive mode, either based on major weather events, or citizen complaints.

Conventional pavement management tactics are difficult to implement as gravel road structures are dramatically impacted by rain and snow events.

Rival has developed a simple, mobile, and effective method for gravel road rating. Based on the PASER rating criteria, the solution has been successfully deployed in Canada and the USA.



PASER Evaluation, Simplified and Mobile

Rival offers a variety of solutions from its core RUBIX platform to conduct roadway condition surveys. The goal of this solution was to provide simple condition assessment capabilities with rapid data turnaround. PASER based or Customized forms are used to log condition data while keeping mobile. The tools used to accomplish this is Rival's **rInspector** application and processing workflow.



Facts and Stats:

- Proven production capabilities ~ 16 km/h (10 mph)
- Automated mapping, processing, and reporting through cloud services
- Images and data automatically linked to spatial locations and segment network definition
- Real time notification of critical issues

rInspector is an iPad tablet condition rating application that allows users to collect and map infrastructure attribute locations, images, sketch's and other information based user defined specifications, such as the PASER rating methodology. Data can be transferred in near real time to Rivals cloud services to aggregate and report the information on a customizable web based dashboard.

A sample of the form configured and used for data collection is shown above.



rInspector mobile data collection kit

Limited/Local Maintenance	Heavy Preventative Maintenance
Heavy Rehabilitation	Routine Maintenance

