

Pavement Condition Update for the Wichita Airport Authority



In 2006, Applied Pavement Technology, Inc. (APTech) was selected by the Wichita Airport Authority to update the pavement management systems at both Wichita Mid-Continent Airport, the largest airport in Kansas, and Colonel James Jabara Airport. Following a comprehensive records review to determine the existing pavement cross sections, APTech performed detailed pavement inspections in accordance with the pavement condition index (PCI) procedure. This information was input into the Airport Authority's existing MicroPAVER database.

The project also included nondestructive testing using APTech's heavy-weight falling weight deflectometer. The testing focused on those pavement sections that were thought to need rehabilitation within the next 5 years, as determined during the PCI surveys. The project also included aerial photography and the development of digitized images of both airports. The results were used to generate a 10-year Capital Improvement Program, a valuable planning tool for the Airport Authority outlining the maintenance and rehabilitation projects recommended at both airports.