

Des Moines International Airport Pavement Management System Update



Des Moines International Airport (DSM) represents a significant capital investment and plays a critical role in the economic health of its geographical region and the state of Iowa. As this airport has aged, the upkeep of its existing pavements has become increasingly important. To assist in managing the pavement infrastructure at DSM, the City of Des Moines retained Applied Pavement Technology, Inc. (APTech) in 1997 to implement an airport pavement management system (APMS) using the MicroPAVER pavement management software. In 2000 and 2006 APTech updated the APMS, and is currently undergoing another update that will be completed in 2011.

During the current update, APTech is reviewing the pavement records, collecting pavement condition data for the airside pavements (including runway, taxiway, and apron pavements) at DSM using the pavement condition index (PCI) procedure, and incorporating the data into a MicroPAVER database. APTech is preparing a report detailing a 5-year pavement maintenance and rehabilitation program, completing a timetable for projected work and cost estimates, and providing training in the use of MicroPAVER. In addition, during this update APTech is determining pavement classification numbers (PCNs).