

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 address these needs, the City of Des Moines retained Applied Pavement Technology, Inc. (APTech) in 2006 to update its airport pavement management system (APMS) using the

MicroPAVER pavement management software.

Initially implemented in 1997 and subsequently updated by APTech in 2000, the APMS provides a valuable tool to assist in managing the large amount of pavement areas at DSM. During the 2006 project, APTech reviewed the pavement records, collected pavement condition data for the airside pavements (including runway, taxiway, and apron pavements) at DSM using the Pavement Condition Index procedure, and incorporated the data into the existing MicroPAVER database. All of the information was used to expand, modify, and update the existing APMS. APTech prepared a report detailing a 5-year pavement maintenance and rehabilitation program, completed a timetable for projected work and cost estimates, and provided training in the use of MicroPAVER.