

Washington Statewide Airport Pavement Management System



The Washington State Department of Transportation (WSDOT) Division of Aeronautics selected Applied Pavement Technology, Inc. (APTech) to update and expand its existing airport pavement management system (APMS). The WSDOT retained APTech to update the APMS for the eighty-five airports already in their APMS, and to expand the database to include a total of ninety-seven paved public-use airports.

This project emphasized outreach to airport sponsors and consultants to ensure that the findings and recommendations of this study would be understood and implemented. As part of this process, APTech conducted a series of public outreach meeting workshops on the pavement management program study findings across Washington and at the Washington Airport Pavement Management Association Conference. A pavement management manual developed during this project was used during these workshops.

APTech worked in close conjunction with the WSDOT and the Federal Aviation Administration (FAA) to develop an integrated approach to preserving the pavement infrastructure and maximizing the usefulness of both State and federal expenditure. To accomplish this goal, APTech established a 6-year statewide system plan of pavement projects and identified project priorities. Throughout this process, APTech and WSDOT served as advocates of the airports but did not supplant the responsibilities and roles of the airport sponsors. The APMS process was used to identify pavement needs and recommended strategies for preserving the pavements; however, the cities and counties were responsible for providing the key policy and financial decisions necessary for preserving airport pavements in Washington State.

APTech provided the WSDOT with: a MicroPAVER database with linked airport photos; maps for each airport of work history, network definition, pavement condition, and work plans; individual airport reports; a statewide report; a Puget Sound Region report; a pavement management manual; and MicroPAVER training materials.