

Eareckson Air Force Station MicroPAVER Pavement Management System Update



Applied Pavement Technology, Inc. (APTech) was contracted through the Air Force Civil Engineer Support Agency to provide the technical expertise required to update the MicroPAVER pavement management system at Eareckson Air Force Station (AFS) on Shemya Island in Alaska. Eareckson AFS serves as a divert field for in-flight emergencies and operate as a base for search and rescue efforts. The pavement management system at Eareckson AFS, where the primary mission is to maintain the airfield in support of the northern Pacific air bridge, is for the 10,000-foot airfield pavement system.

During July 2007, APTech conducted an extensive pavement condition evaluation using the Pavement Condition Index procedure, developed a MicroPAVER pavement management database, entered all pertinent pavement information into the system, and performed an extensive analysis of the results to establish a 5-year maintenance and repair plan for the airfield. Overall, the pavement sections were found to be in poor condition, with certain areas requiring major rehabilitation work within 5 years. APTech recommended continued maintenance and select repairs to slow the rate of deterioration and to maintain the pavement in suitable condition.