



QUICK TURNAROUND FACILITY/ FIELD MAINTENANCE FACILITY

Anchorage, Alaska

CLIENT

State of Alaska Department of Transportation and Public Facilities

CONTACT

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SIZE

147,000-sf

COST

\$32 million

YEAR COMPLETED

2004

The Quick Turnaround Facility (QTF) located at Anchorage International Airport (ANC) was the first phase of a \$32 million program for DOT&PF Central Region to replace aged facilities, improve capacity, and improve operational efficiencies at ANC. The facility is designed to hold a one-year supply of sand and deicing chemicals (urea and potassium acetate). USKH designed a facility that addressed the region's unique wintertime temperature and humidity challenges by providing concrete tilt-up panels with integral heat to prevent urea caking. The floor is also heated and the remaining mechanical system was appropriately sized and controlled to make major gains on efficiency. The facility is approximately 23,000-sf and was completed with less than 1% change orders despite the first-time design and very challenging site development conditions. A related component is the high-speed refueling facility that employs eight fueling pumps for the 200 + vehicles that serve the aircraft operations area.

The second phase of this program was the Field Maintenance Facility (FMF), which included master planning and public involvement, a feasibility study, project planning, design, bidding, construction assistance, and related professional services. The goal of the project was to provide secure, safe, and efficient areas for the conduct of maintenance operations. The FMF portion includes 75,000-sf of vehicle maintenance and support shops, 40,000-sf of vehicle warm storage, POL inventory and hazardous materials storage, and controlled access to all aircraft operations areas (AOA). The project was completed ahead of schedule and more than \$1 million under budget.



1. Exterior Field Maintenance Facility
2. Interior Field Maintenance Facility
3. Interior Field Maintenance Facility
4. Entrance to Field Maintenance Facility