



## Government Facilities

### Client

Air National Guard

### Location

Scott Air Force Base, IL, USA

## 126<sup>th</sup> Air Refueling Wing Relocation to Scott Air Force Base

### Project Description

In 1997, CH2M HILL began a 3-year project with the Air National Guard to help them move the 126th Air Refueling Wing from Chicago's O'Hare International Airport to its new location at Scott Air Force Base in Illinois. The 126th Air Refueling Wing hosts the KC 135 aircrew training site and needed a new building to house a "six degree of freedom" flight simulator trainer, associated flight systems trainers, computer equipment, and a hydraulic power supply.

CH2M HILL provided program, design, and construction management services for the move – all with no disruptions to airfield operations.



Program coordination included extensive planning and partnering sessions to create a development plan and design standards that met the requirements of the 126th Air Refueling Wing, the Illinois EPA, and other stakeholders.

As part of that planning effort, CH2M HILL developed a password-protected website accessible by any member of the project team, including government organizations, the architectural firms, and the construction contractors. Because strict security requirements restricted access to the site, the website served as the primary source of communication and information for the project by making available all correspondence, contract documents, construction plans and specifications, inspection notes and photographs, the master program schedule, and calendar.

In addition to planning services, CH2M HILL provided all site work and infrastructure design services, including:

- Site grading
- Drainage
- Streets
- Parking
- Signage
- Landscaping
- Water, sewer, electrical, and natural gas

The \$88-million construction project included coordination with federal, state, and local government agencies, three architecture/engineering firms, and four construction contractors. During the construction phase, CH2M HILL enforced compliance with design plans and specifications by attending project coordination meetings, reviewing shop drawings, answering requests for information, and assisting with systems acceptance. A full-time construction manager, several resident engineers, and onsite inspectors



helped ensure that construction of the new wing was completed successfully.

To aid in construction management, Primavera Expedition software was used to track the number of design documents flowing in and out of the construction management office. More than 4,000 submittals were required for project construction – each submittal going through a 15-step review process. Digital cameras were used to document the construction process.

When chlordane contamination was discovered under existing housing units scheduled for demolition, CH2M HILL also developed and received approval from the Illinois EPA for a soil management plan. Services related to the soil management plan included providing environmental services during construction to remediate the contaminated soil, providing field oversight of construction activities involving contaminated soil, collecting and analyzing soil samples from both onsite and offsite, and preparing reports documenting the field activities.

The design of the new 126th Air Refueling Wing won a merit award in the Air National Guard/U.S. Air Force Design Awards Program in 1999.