



Transportation Aviation

Client

Denver International Airport

Location

Denver, Colorado, USA

Runway Design

Project Highlights

- Grading, drainage, paving, and lighting for new 16,000-foot-long runway
- Deicing fluid/stormwater drainage system modifications
- Complete airfield lighting system and signage
- Services during construction, including shop drawing reviews, RFIs, change orders, construction meetings, and project site visits

Project Description

CH2M HILL designed the grading, drainage, paving, and lighting for a new runway, 16R-34L, at Denver International Airport (DIA) to accommodate Airplane Design Group VI. This project is a key component of the City and County of Denver's plan for expanding DIA's operating flexibility to accommodate larger and heavier aircraft.

In addition, CH2M HILL provided services during construction, attended construction meetings, conducted site visits, and provided shop drawing reviews, RFIs, and change orders. A critical factor in this project was working closely with DIA project staff to maintain operations throughout construction, and to avoid delays or other impacts that might affect existing airport operations.

Planning and implementation support for Surface Movement Guidance and Control Systems (SMGCS) was included in the project. Members of CH2M HILL's staff have been involved with SMGCS at DIA since the initial planning of the airport and the inspection of the FAA program. As a result of CH2M HILL's previous work, DIA became the first airport in the world at which multiple aircraft can land simultaneously in reduced visibility.