



Runway 10R/28L Replacement, Port Columbus International Airport

Project Highlights

- ◆ Full design and construction of a runway replacement project
- ◆ Coordination with Federal Aviation Administration (FAA), Transportation Security Administration (TSA), and other state and federal agencies

The Runway 10R/28L Replacement project includes the planning, environmental review, design, and construction of a new 10,113-foot-long by 150-foot-wide runway, with Category I instrument landing system (ILS) approaches, 702 feet south of the existing Runway 10R/28L location at Port Columbus International Airport (CMH). The Columbus Regional Airport Authority (CRAA) selected CH2M HILL to complete the design services associated with the runway replacement, which is an enabling project to the future design and construction of a new airport terminal building.

Design work for relocating the runway includes site preparation and permitting, line and grade development, pavement design, electrical design, navigational aids (NAVAIDS) design and commissioning, stormwater controls, and construction phasing. The project has required close coordination with separate design firms on several other enabling projects, including redesign of the adjacent golf course for NAVAIDS installation, and design of a detention basin at Turkey Run for managing stormwater runoff.

The project also includes designing four acute and five right-angled exit taxiways north of the replacement runway, and a new perimeter roadway to provide access to the south side of the airfield complex. In addition, CH2M HILL is responsible for the design of a full parallel taxiway south of the new runway, including three connector taxiways necessary to maintain airfield access to a significant airfield tenant both during construction and after completion of the project.

CH2M HILL is providing full design and coordination with the FAA for navigational facilities associated with the relocate runway including localizers, glide slopes, approach lighting, runway visual range components, and associated infrastructure.

CH2M HILL is also responsible for providing overall project management and coordination with the CRAA, the construction manager, TSA, Ohio Department of Transportation, City of Columbus, Ohio EPA, U.S. Army Corps of Engineers, and public utilities during design and construction of the relocated runway.

Transportation

Client

Columbus Regional Airport Authority

Location

Columbus, Ohio

About CH2M HILL

Headquartered near Denver, Colorado, USA, employee-owned CH2M HILL is a global leader in consulting, design, design-build, operations, and program management for government, civil, industrial and energy clients. The firm's work is concentrated in the areas of water, transportation, environmental, energy, facilities and resources. With US\$6.3 billion in revenue and 23,000 employees, CH2M HILL is an industry-leading program management, construction management and design firm, as ranked by Engineering News-Record and named a leader in sustainable engineering by Verdantix. The firm has been named a FORTUNE 100 Best Companies to Work for five times. Visit us at www.ch2mhill.com, twitter.com/ch2mhill and facebook.com/ch2mhill.