



Transportation

Client:

Metropolitan Washington Airports Authority

Location:

Washington Dulles International Airport, Dulles, VA

Design and Permitting for New Runway 1L-19R and Associated Taxiways Washington Dulles International Airport

CH2M HILL provided the Metropolitan Washington Airports Authority professional engineering services for a new runway project which consisted of preliminary engineering services for two new runway locations, final design, and construction services for one new runway, associated taxiways, and related navigational equipment at IAD.

Preliminary engineering services began in February 2002. Technical information developed during the preliminary engineering phase was prepared for use by the Authority in its participation with the Federal Aviation Administration's (FAA's) concurrent Environmental Impact Statement (EIS) process for the runway alternatives evaluations and ultimate selection of the preferred alternative.

The project scope included topographic and coordinated land surveys, geotechnical investigation and analysis, and conceptual designs for NAVAIDS, geometrics, pavements, drainage, airfield lighting and signing, and a new field vault, as well as preliminary cost estimates, division of work into logical construction packages, and establishment of duration of construction for two alternate runway locations.

The FAA completed the EIS and issued a Record of Decision in October 2005, which approved the preferred alternative.

The final design was completed for Runway 1L 19R, which is 9,400 feet in length, and included all geometrics, pavement design, airfield lighting, signing, NAVAIDS, detailed construction phasing and scheduling, construction cost estimates, and construction procurement support.

Construction phase services included submittal reviews, numerous site inspections, and responding to requests for information.

The completed runway was commissioned for service on November 20, 2008.

About CH2M HILL

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