PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction installed 2,100’ of 43” Permalok steel casing for the 18” dedicated fire system. The tunnels were installed by microtunneling through shale beneath active runways, taxiways, and taxi lanes. The microtunneling was completed in four segments, the longest being 585’ long under Runway 19L-01R. Bradshaw also installed the 18” DIP in the tunnels once mining was completed. Crews were trained according to Dulles International Airport’s safety protocols and vehicle procedures, and passed security screening to access the secure site.