

## Milling & Resurfacing of Bradley Runway 6-24 Windsor Locks, CT

### Project Description:

#### Location

Bradley International  
Airport, Windsor Locks, CT

#### Owner

ConnDOT

#### Duration

2009

#### Prime/Sub

Prime

#### Construction Cost

\$12 million

This project was for the reconstruction of Runway 6-24, one of the two main runways at Bradley Airport. The runway, proper, is about 9,500' long and is 200' wide with 25' shoulders. AI was selected by ConnDOT to provide Construction Engineering & Inspection services.

The pavement was bituminous concrete up to 24" thick. The major reconstruction operation was for milling, profiling and overlaying the entire runway. Included in this work was milling and overlaying the intersection with Runways 15-33 and 1-19 plus turnouts to Taxiways R, S, K, and C. Ultimately the new runway pavement was grooved and striped. Prior to the milling operation, the tops of all runway lighting and icing sensors were removed, refurbished and rewired. At the conclusion of the overlaying and grooving operation, these fixtures were replaced.

Other work included construction of six new electrical ductbanks across the runway. Sleeves for two new water mains were required as well as a new 30" RCP drain. Each of these operations required sawcutting, milling and excavating the existing pavement, installation of the new facility, backfilling and repaving. All of the existing electrical cabling for the runway was replaced. The existing marker signs were also be replaced. The project was broken up into three stages: A 63 day mobilization stage; a 70 day construction stage; and a 44 day demobilization stage. The intent of the mobilization stage was so that the contractor would have all submittals, material, labor and equipment on hand prior to the start of the construction stage.

During the construction stage, Runway 6-24 was shut down, with the exception of crossing runways and taxiway turnouts. The contractor was expected to operate two 10 hour shifts, seven days a week until completion. The project was completed on time and within budget



### Salient Features

- Airport Runway Paving
- Major Utility Work, Airside
- Airport Lighting