



## Completed Machine Control Modeling & Localization Project Utilizing Trimble® :

- **Machine Control Model Services for Apron Replacement for Taxiways A & B, Dansville Municipal Airport, Dansville, NY**

### **Scope of Work Utilizing Trimble® Business Center System**

Ravi Engineering & Land Surveying, P.C. provided a Trimble machine control model for the Dansville Municipal Airport, Dansville, New York. Our scope of services included:

1. Review of approved construction documents. Reporting discrepancies or errors to the contractor.
2. Build a machine control model to the finished surface of the site for Trimble Automated Machine Guidance System. DXF files included in the model were:
  - A Points file that included any control points provided in the CADD file, Radius, Center of light canisters and center of hand holes.
  - A Line work file, which included a 3D line on all site improvements and pavement striping, i.e. top and bottom of curbing, sidewalk, retaining walls, building outline, concrete pads, grade benches, etc.
  - A Surface file completed to the finish grade of the site as shown upon the approved plans. A Trimble (.ttm) surface file was also provided.
  - Strategic topographic measurements were taken by our representative to ensure the approved design ties into existing conditions; and,
  - Verification of Horizontal and Vertical control onsite.