

# TAXIWAY A&C NORTH RECONSTRUCTION/TAXIWAY B, C, & T-HANGAR TAXILANES ANKENY REGIONAL AIRPORT | ANKENY, IOWA

## COST

\$1.6M

## COMPLETION DATE

2019

## REFERENCE

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The Ankeny Regional Airport is currently the third busiest airport in the state of Iowa and provides private, corporate, and freight operation aviation services to the greater Des Moines area and Polk County. The Airport wanted to further its mission of providing safe and accessible aircraft accommodations to the surrounding community and tasked McClure with the reconstruction and rehabilitation of Taxiways A, B, C, and seven T-Hangar taxilanes serving T-Hangars A-K.

The existing Taxiway A and C North pavement was originally paved in the early 1990's and required reconstruction and updates to the taxiway fillet geometry. Additionally, Taxiways B, C, & T-Hangar Taxilanes were experiencing pavement distresses such as medium severity LTD cracking, D-cracking, and joint seal damage that required pavement maintenance.



The scope of the project included removing and replacing the existing concrete pavement of Taxiway A and C North with 8 inches of PCC pavement underlain with 6 inches of aggregate base course placed on 12 inches of cement treated subgrade. Edge lights affected by new pavement construction and updates to fillet geometry were salvaged and re-installed on new bases. Taxiways B, C, & T-Hangar Taxilanes were rehabilitated using partial depth and full depth PCC patching and slab replacement methods.

## PROJECT HIGHLIGHTS

As one of the busiest airports in Iowa, McClure understood the importance of maintaining operations during construction on the airfield. A well-executed construction phasing plan began with developing an understanding for the Airport's specific needs as well as close cooperation with the FAA. The result was a construction phasing plan that minimized the impact to Runways 18/36 and Runway 4/22. To further accommodate the Airport and its 85 based aircraft in the seven T-Hangars, McClure conducted numerous coordination meetings with the Airport to develop a phasing plan that allowed for the tenants of the T-Hangars to utilize the Airport via a temporary turf taxilane while Taxiway C North was under construction, minimizing the economic impact from construction on the airfield.

