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TKDA regraded the safety area adjacent to Runway 12L-30R along both sides of the entire length of the runway, requiring close coordination with the taxiway and intersection work

RUNWAY 12L-30R RECONSTRUCTION

Minneapolis-St. Paul International Airport

Owner: Metropolitan Airports Commission

Consultant: TKDA

Award Category: Project of the Year – Commercial Service Airport

When water did not drain properly and ponded at the intersection of Runways 12L-30R and 4-22, there was an aircraft safety concern at the Minneapolis-St. Paul International Airport. To address the poor friction and drainage conditions, TKDA and the Metropolitan Airports Commission (MAC) collaborated to provide a full reconstruction of the intersection. Closing Runway 12L-30R doesn't occur often, so the design team completed as many maintenance projects as possible during the closure. This work included the partial reconstruction of Taxiways P, P1, P2, P10, and M, along with safety area grading, shoulder reconstruction, and LED lighting upgrades. Closing two runways required extensive coordination with the MAC, FAA, and airlines. Additionally, the project adopted an aggressive schedule limited to 16 weeks to minimize airport impacts, requiring the contractors to work long hours and weekends. Overall, considerable collaboration and coordination, precise design, and diligent construction management helped maintain ongoing airport operations and complete this project to foster a safer condition for passengers.

