



FACT SHEET

Rehabilitation of North Airfield at Lauderdale-Hollywood International Airport (FLL)



OVERVIEW

The North Runway (10L-28R), the oldest of FLL's two runways has undergone a complete rehabilitation since the runway's closure on June 3, 2019. The initial taxiway construction phase of the budgeted \$95 million project ran from late March through early June. The critical rehabilitation work included replacing the runway's 75-foot center portion with concrete to extend its life from 15 to 30 years and repaving its sides with asphalt. Other improvements included electrical, signage, and drainage system upgrades. Taxiway enhancements feature more modern and efficient designs and the Federal Aviation Administration (FAA) has updated runway status lights. After the North Runway's opening on Tuesday, October 1, it will close each night at midnight until 6AM for 30 to 45 days to complete taxiway work.

PROJECT SCHEDULE

Project Award: February 26, 2019

Phase 2 Taxiway A Work: March 25, 2019 – June 2, 2019

Phase 3 Runway Closure: June 3, 2019 for up to four months (reopens October 1, 2019)

Phase 4 Taxiway B & C Work: October 2019 – March 2020

Overall Project Completion: March 2020

Background of FLL's Rehabilitation of North Airfield

1. Why was the runway work necessary?

The North Runway (10L-28R) has been FLL's primary runway since its original construction before World War II. It has been 15 years since any major rehabilitation was performed on 10L-28R. The runway experienced heavy usage during the construction of the South Runway, which opened in September 2014.

2. Who conducted the work?

The Broward County Board of County Commissioners awarded the construction project to General Asphalt Co. in February 2019. The engineer of record is Kimley-Horn and Associates. The locally-planned, designed and constructed project involves 15 sub-contractors and 150-200 workers during the runway's closure.

3. North Runway closure timeline

The runway closed on June 3 for 120 days. All aircraft traffic operated from the South Runway during this period. The Broward County Aviation Department (BCAD) is mindful of the risks associated with construction during the hurricane season and operating as a single-runway airport. Despite lost production time during days of heavy rain and the threat of Hurricane Dorian, work proceeded as scheduled. After the North Runway reopens, it will close each evening at midnight until 6AM to complete supporting taxiway work. This overnight work will continue for 30 to 45 days and will require the use of the South Runway during these hours.

4. What exactly was constructed?

The runway's 75-foot middle section was reconstructed with concrete. The outer sections of the runway remain as asphalt but have been milled and repaved. The Engineered Material Arresting System (EMAS) beds were replaced. The EMAS bed on the east end was extended to make it compliant with FAA requirements. There were upgrades of the electrical, signage and drainage systems on the airfield. The FAA is upgrading its navigational aids and runway status lights.

5. What are the benefits of the construction?

Once the new runway improvements are fully completed, some of the key benefits will include a reduction in rehabilitation cycles and probability of runway incursions, improvements and enhancements to runway safety areas, lighting, signage, navigational aids, and drainage systems.

6. What safety issues were addressed?

This rehabilitation enabled BCAD to correct several items on the airfield. This includes mitigation of three potential "hot spots" and the introduction of "no-taxi" islands at the ends of the runway. These improvements will make the airfield compliant with the latest FAA design standards. New EMAS beds have replaced the existing ones, providing better arresting performance for the airport's current and future aircraft fleet mix.

CONTACT INFORMATION

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