

2020 Rehabilitation of Runway 18R/36L

Dallas Fort Worth International Airport

Critical Rehabilitation Project

As DFW Airport's primary westside arrival runway, the rehabilitation of Runway (RWY) 18R/36L is critical to DFW operations. The 13,400-foot-long runway was built in 1984 and handles approximately 40% of DFW's daily arrivals.

Project Details

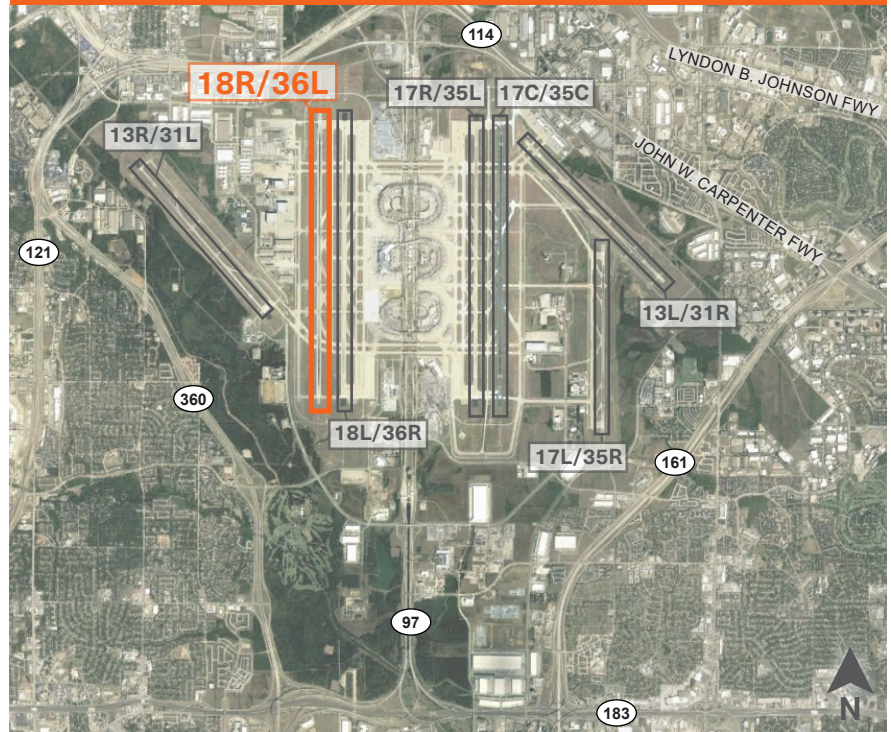
The RWY 18R/36L Rehabilitation Project includes:

- Keel (middle) section reconstruction
- Hot Mix Asphalt (HMA) overlay
- Reconstruction of shoulders and blast pad
- Drainage improvements
- New electrical infrastructure and LED conversion
- NAVAID (navigational aid) adjustments
- RWY 18R Aircraft Rescue and Firefighting (ARFF) Road realignment

Project Schedule

A project of this size and complexity can take a year or more. To reduce impacts on airfield operations and the community, DFW is accelerating the runway construction schedule to take strategic advantage of the reduced operational levels resulting from COVID-19 impacts. The runway closure will begin on June 1, 2020, 78 days ahead of its planned schedule. It is expected to be complete in early March 2021, at which time the runway will reopen. Remaining work will be completed during nightly closures.

DFW Airport Runway Map



Minimizing Future Impacts

To avoid future runway closures and related impacts, as part of this project, DFW:

- Completed conversion of RWY 18L/36R centerline lights to LED
- Completed improvements to the RWY 13R/31L storm drain system
- Will improve the electrical system on two primary taxiways

Project Timeline

Full Closure:

Early June 2020 - Early March 2021
RWY 18R/36L rehabilitation

Nightly Closures:

Early March - Late May 2021
RWY 18R/36L open; final completion activities



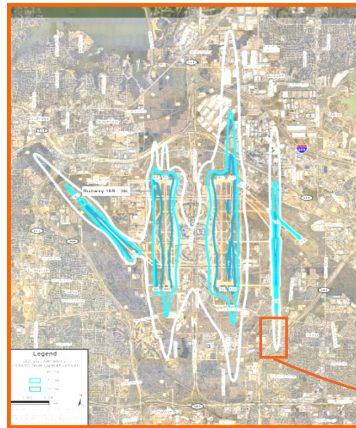
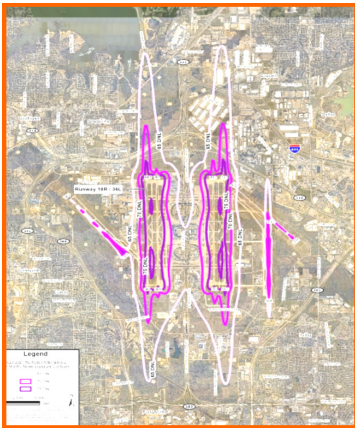
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Noise Changes During Closure

DFW modeled the temporary change in noise exposure with and without the closure. FAA defines an 'impact' as a 1.5 Day/Night Level (DNL) increase in the 65 dB DNL noise contour over a noise sensitive land use.

Without closure

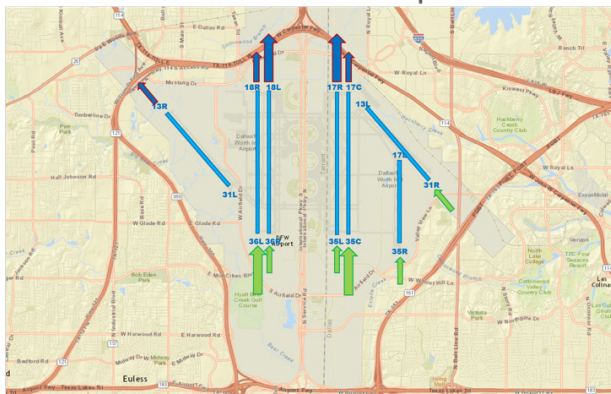
With closure



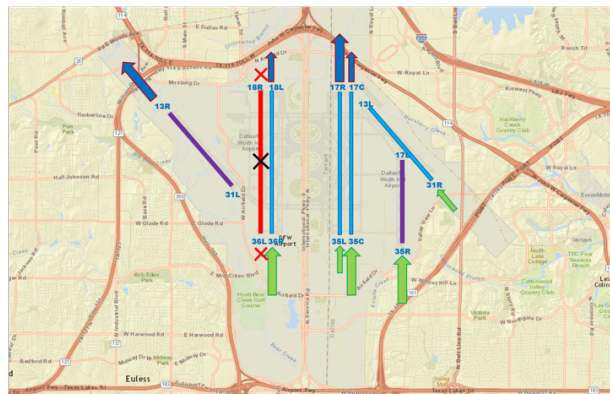
The pre-COVID modeled closure indicates no temporary noise impacts except a small area in Irving over specific apartments. Traffic levels are significantly reduced post-COVID. DFW will reach out to these tenants to ensure they are aware of the closure.

Air Traffic During Closure

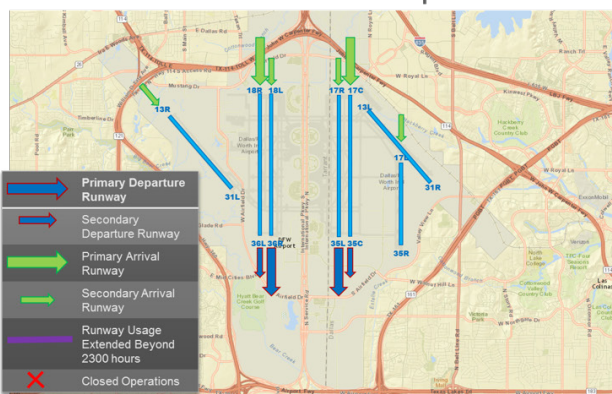
North Flow – Normal Operations



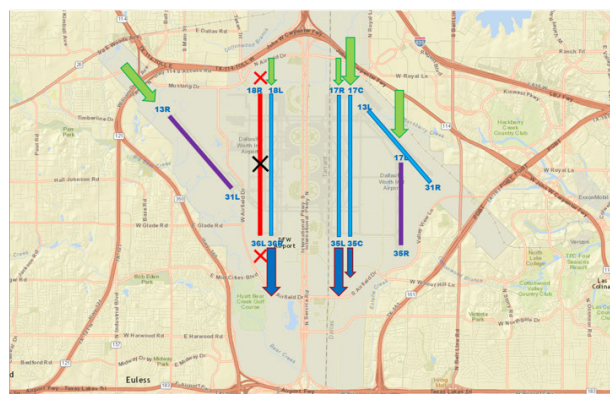
North Flow – 18R/36L Closure



South Flow – Normal Operations



South Flow – 18R/36L Closure



Contact Information

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