
DFW Project Update

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Agenda

Introduction

- Update on DFW Growth & Current Status
- Update on DFW Noise Program

Runway Rehabilitation Program

- Review of Previous Runway Project – Runway 17C/35C
- Upcoming Project – Runway 18R/36L

What to Expect During Project

- Project Schedule
- Environmental Effects

PRE-PANDEMIC

2018-2019 Growth



Passengers
6.1%



Cargo
6.6%

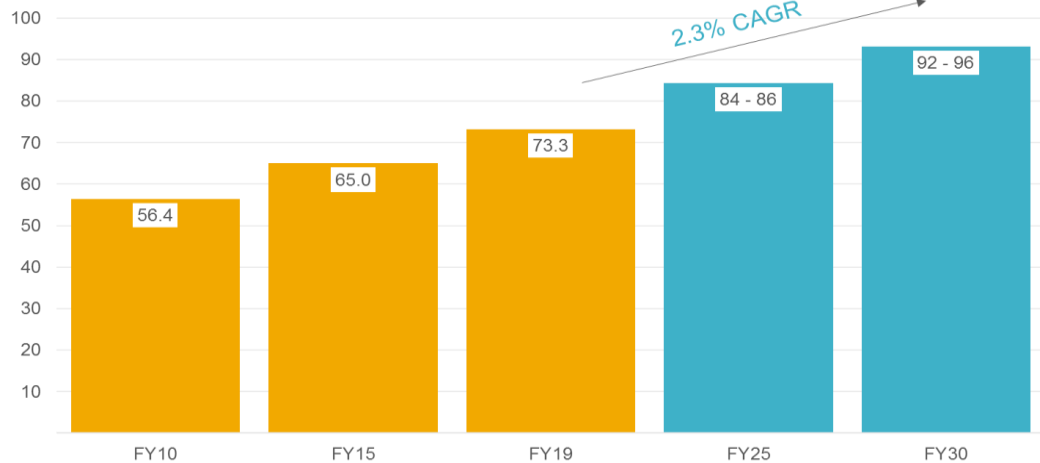


Operations
6.0%

DFW passengers are projected to grow by 20 million in the next decade...

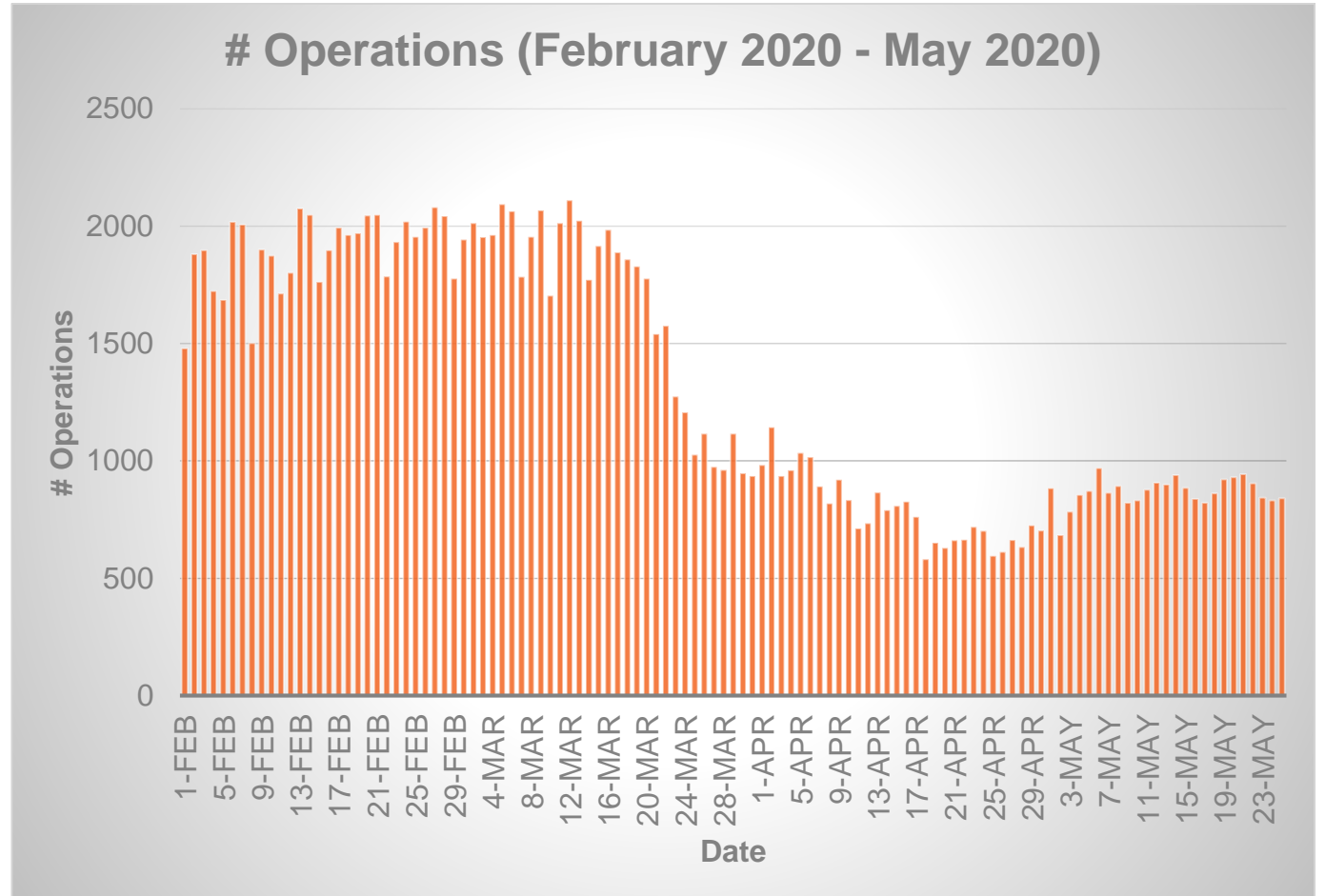
Total Pax
(in Millions)

2.3% CAGR



MID-PANDEMIC

Operations (February 2020 - May 2020)



Airport Status

Based on COVID-19 Impacts

Significantly Reduced Operations and Passengers

- Operations down by 60% (800 daily ops vs. 2000 daily prior)
- Passenger down to levels not seen since late 1980s (75M in 2019 vs est. 45M 2020)

FAA Temporary Shift to East Side Operations

- FAA shifted staff to single tower on east side due to COVID-19
- Most operations using east runways; some West Side Operations especially during peak periods
- Runway 13R/31L closed April 4th – used as needed
- DFW conducting west side airfield work during shift with no additional impacts

DFW and Airline Partners Reviewing Recovery Options

- Slow growth expected 10-20%
- *For the latest information, please visit dfwairport.com/board and dfwairport.com/covid19*

Noise & Engagement Program Elements

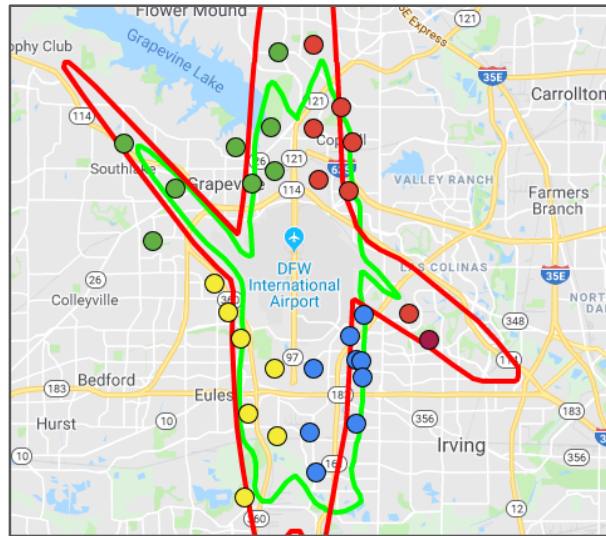
Land Use Noise Sensitivity Matrix

	55-65 DNL	65-75 DNL	75+ DNL
Residential 1-2 Family Multi-Family Mobile Homes Dorms, etc.	Yellow	Orange	Red
Institutional Churches Schools Hospitals Nursing Homes Libraries	Yellow	Orange	Red
Recreational Sports/Play Arts/Instructional Camping	Yellow	Orange	Red
Commercial All Uses	Yellow	Orange	Red
Industrial All Uses	Yellow	Orange	Red
Agricultural All Uses	Yellow	Orange	Red

PER FAR PART 150

COMPATIBLE	Yellow
INCOMPATIBLE	Red

Promote
We Promote
Compatible Land Use



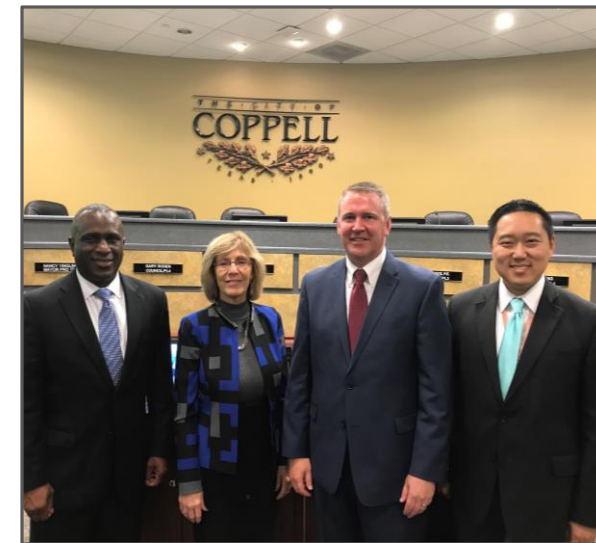
Listen
We Monitor Aircraft
Noise Levels

UPGRADE
DFW in Process of
Upgrading Sites



Monitor
We Monitor Aircraft
Flight Movements

NEW!!
DFW Public Flight Website
dfwairport.com/aircraftnoise



Engage
We Reach Out & Respond to
Communities



Comprehensive Airfield Rehabilitation Program

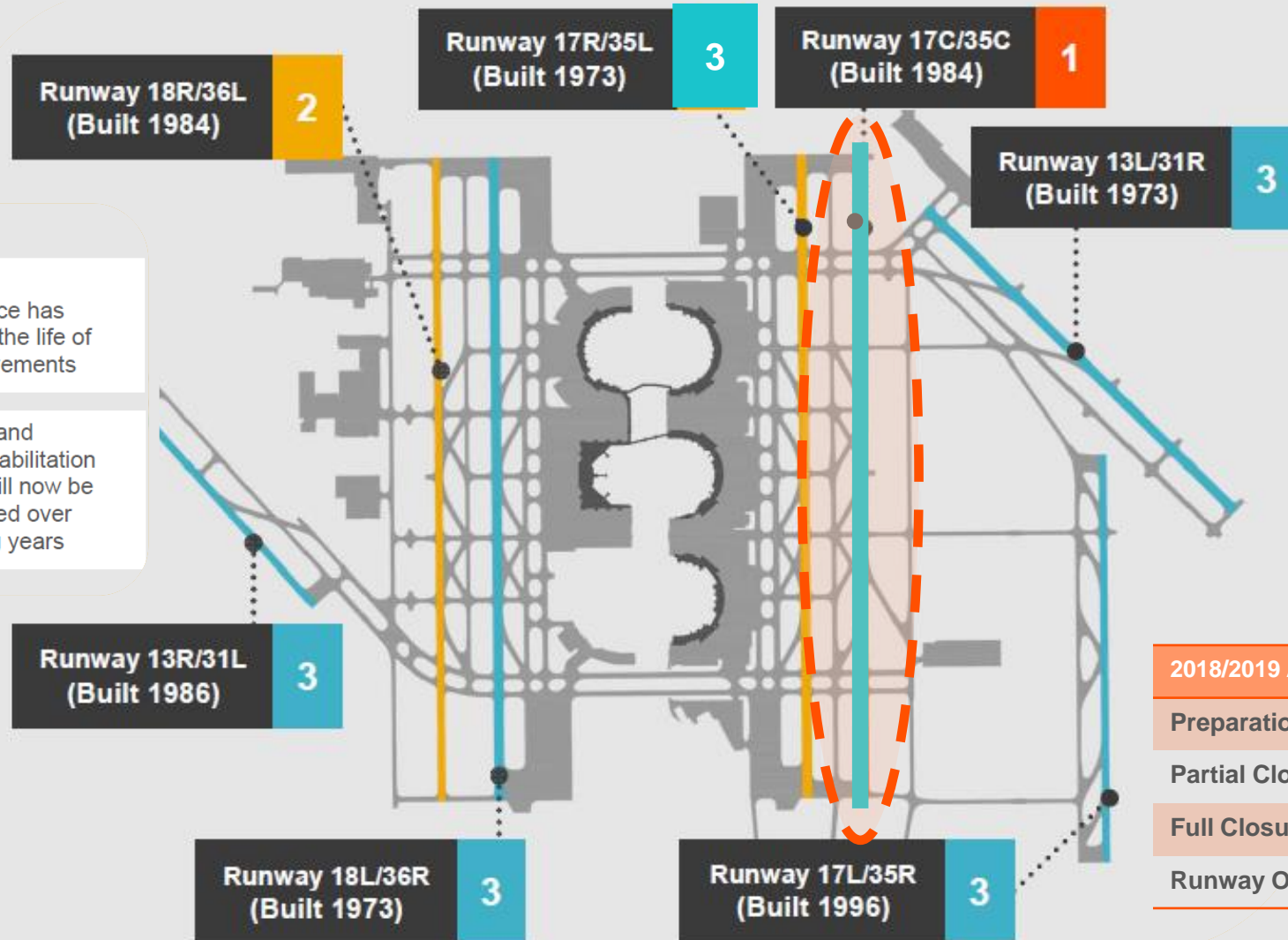
Comprehensive Rehabilitation Program for Airport Pavements



Preventive maintenance has preserved the life of DFW's pavements

A broader and holistic rehabilitation program will now be implemented over the coming years

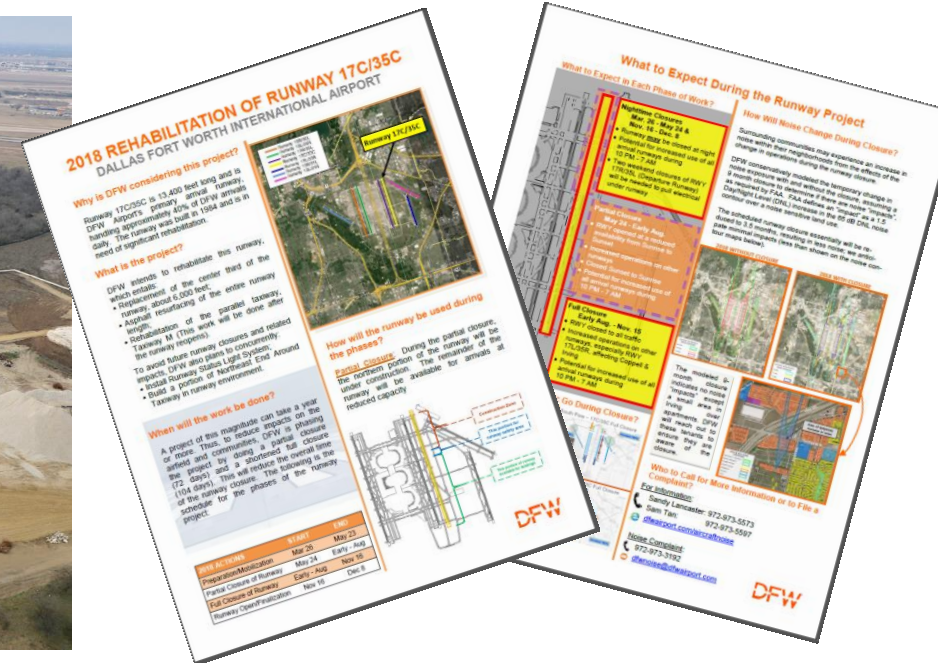
Priority Sequencing:



2018/2019 Actions	Start	End
Preparation/Mobilization	Mar 26, 2018	May 23, 2018
Partial Closure of Runway	May 24, 2018	Aug 3, 2018
Full Closure of Runway	August 4, 2018	May 10, 2019
Runway Open/Finalization	Aug 11, 2019	Aug. 26, 2019

Overview of Runway 17C/35C Project

May 24, 2018 to March 10, 2019
(2.5 Month Partial Closure; 7 Month Full Closure)



LESSONS LEARNED

Converting airfield to landside reduces time need for workers to access job site, reducing overall time for closure

Partial Closure not effective. Runway work at night, when practicable, reduces overall time for closure and reduces impacts to communities

CONSTRUCTION RECYCLING



DFW achieved a 99% diversion rate of construction materials associated with the 17C Project



Construction material diverted for reuse application (including RWY 18R Rehabilitation Project)

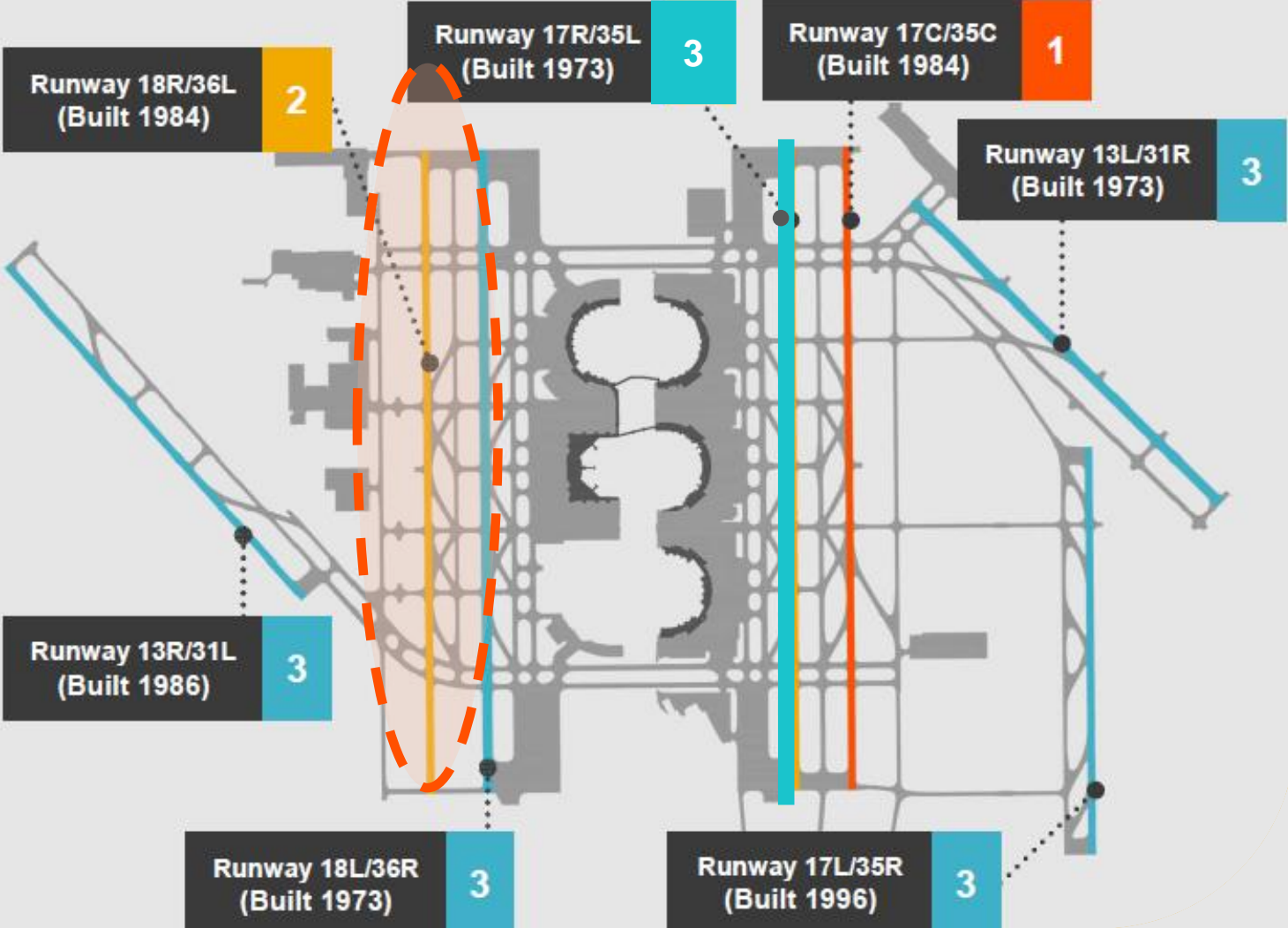
COMMUNITY OUTREACH

Early engagement with City Leaders provides opportunities to resolve questions/concerns and to socialize information in advance

Community Information (i.e. websites, Fact Sheet Distribution) allows public to be informed of project and timeline of work, reducing complaints.

New Project: Runway 18R/36L

(Primary West Side Arrival Runway)

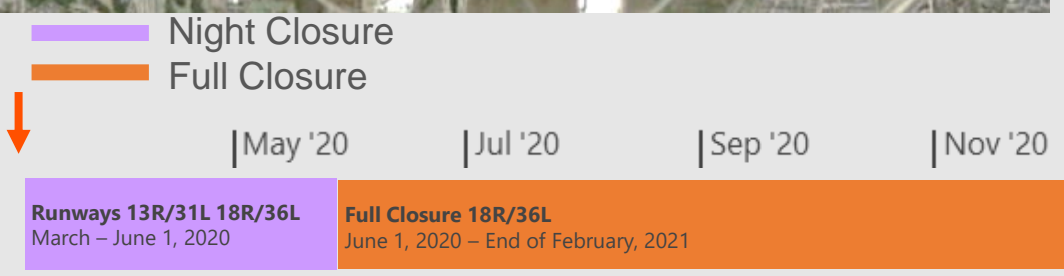
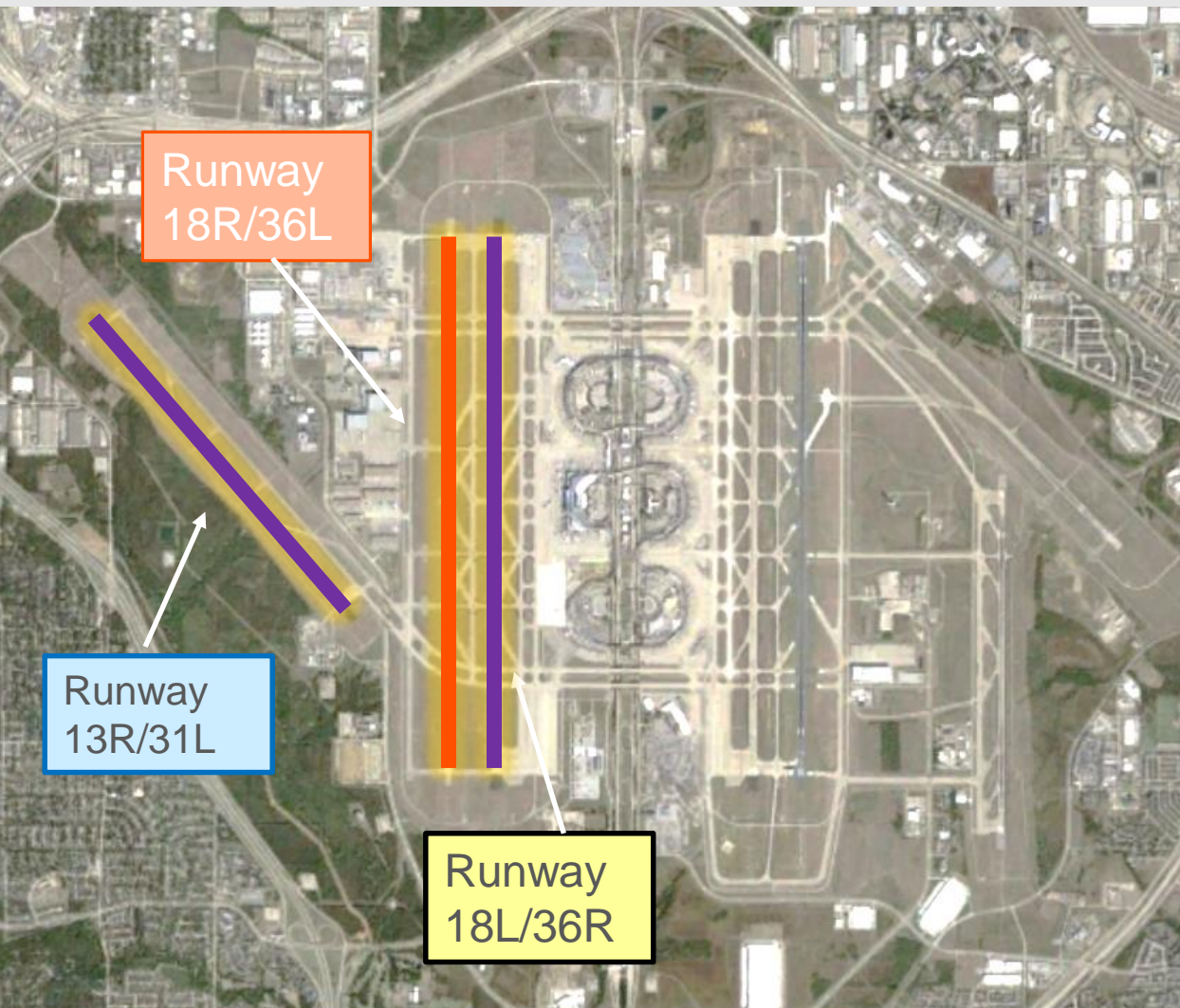


Runway 18R/36L

Accelerated Closure Date: June 1, 2020



- Runway closure originally scheduled to begin late August 2020
- Strategic Opportunity: Reduced operations, temporary shift of operations to East Side & fewer early/late banks
- Benefits of Accelerated schedule:
 - Reduced impacts to DFW operators and communities
 - Cost savings to project
 - Job creation (estimated 1100+ jobs)



Runway 18R/36L & Project Efficiencies

- DFW conducted airfield maintenance during reduced west side operations without impacts to communities
 - Runway 13R/31L: Storm Drain Improvements
 - West Diagonal Runway [COMPLETE]
 - Runway 18L/36R: Centerline Light LED Conversions
 - Primary Departure Runway West Side [COMPLETE]
- Runway 18R/36L FULL CLOSURE
 - START: June 1, 2020 (78 Days Earlier than Planned)
 - END: Late Feb/Early March
 - NIGHT WORK: Once opened, the runway will be closed at night to complete remainder of work.
 - During this period, the runway will not be available and aircraft operations will be shifted to other runways
- Strategic Benefits of Early Closure:
 - Initially Less operations/less impacts while airport recovers
 - Better summer weather
 - Minimizing impacts to the communities

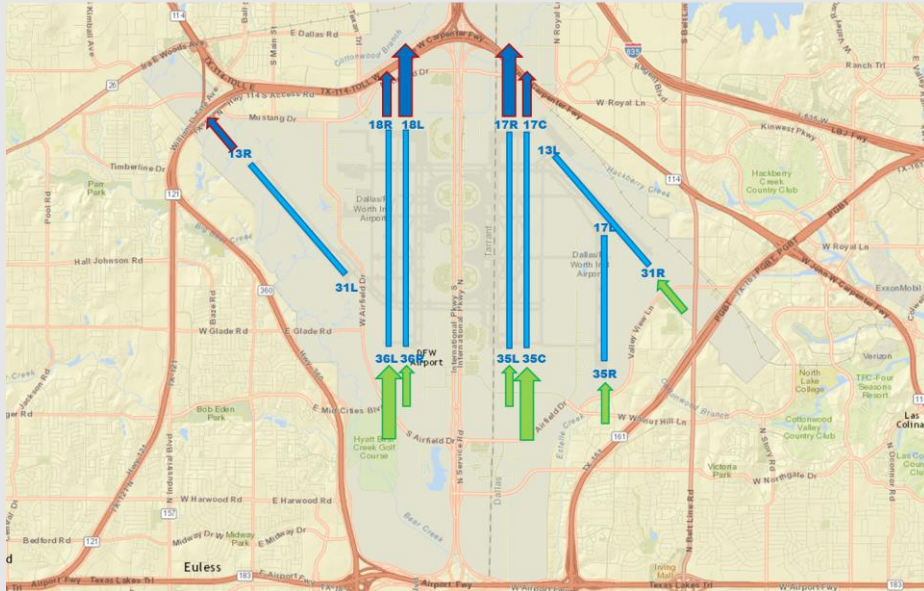


What to Expect: How Will The Runway Construction Affect Communities?

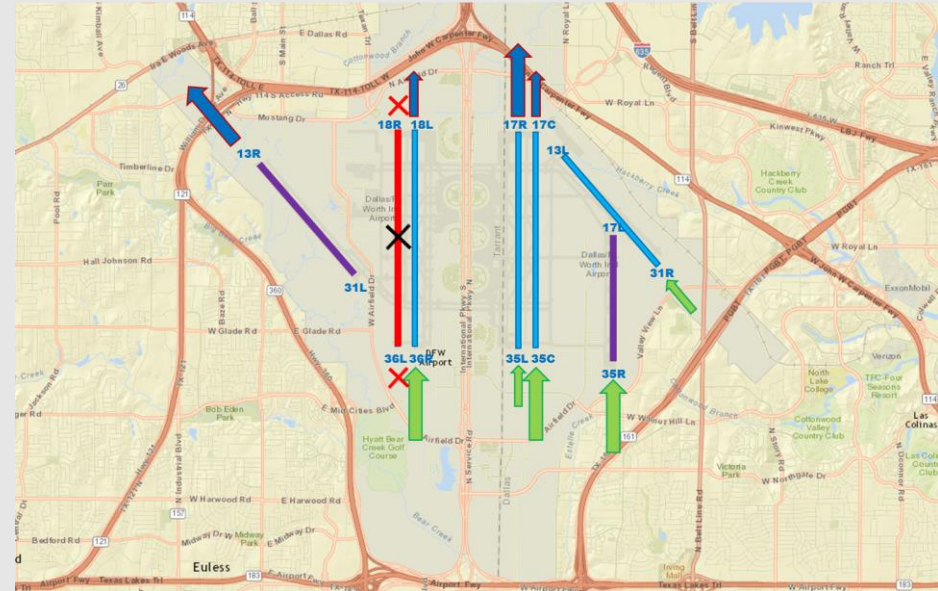


DFW Operations during 18R/36L Closure

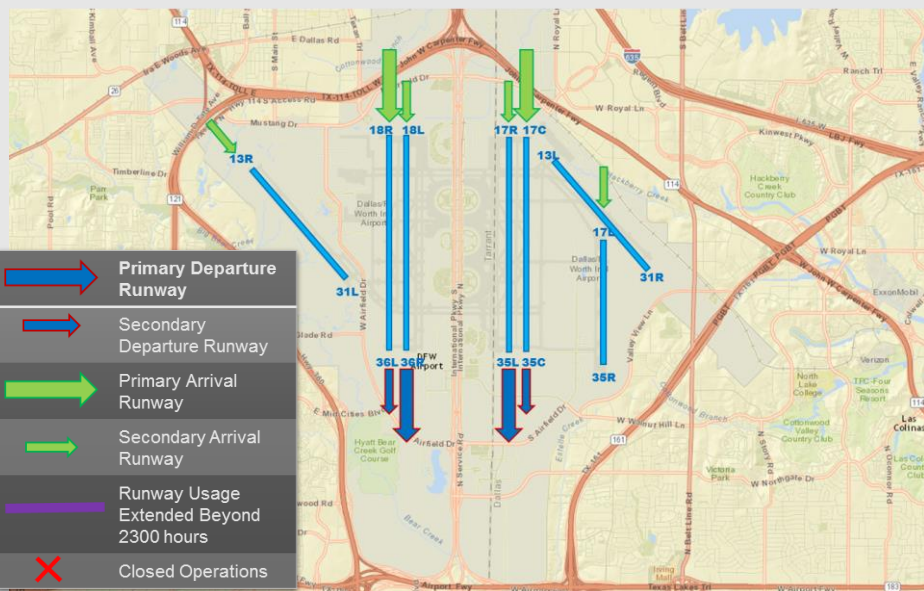
North Flow – Normal Operations



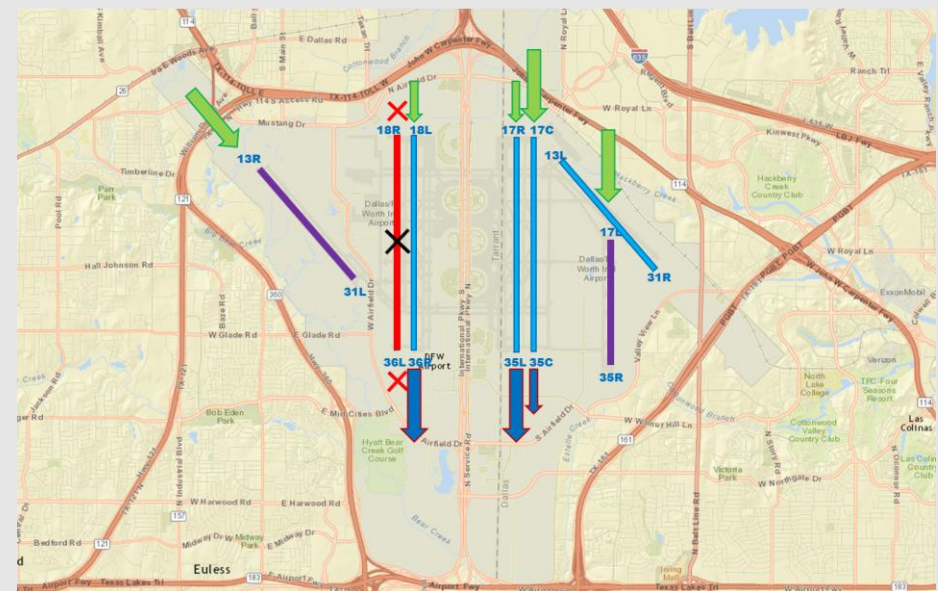
North Flow – 18R/36L Closure









South Flow – Normal Operations



South Flow – 18R/36L Closure



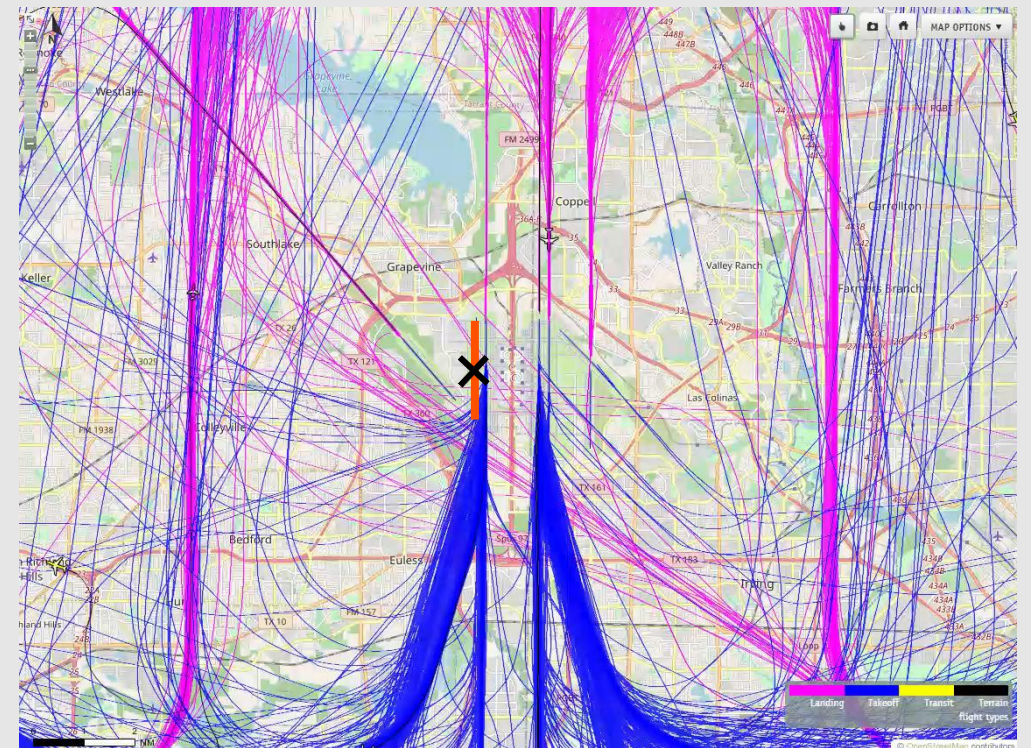
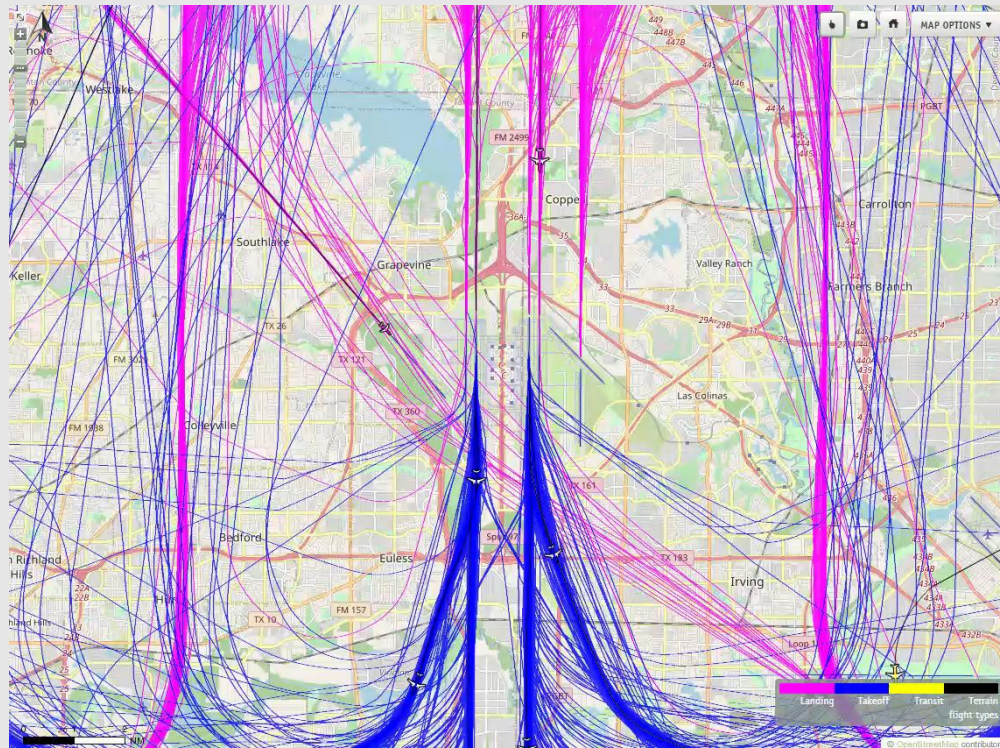
-  Primary Departure Runway
-  Secondary Departure Runway
-  Primary Arrival Runway
-  Secondary Arrival Runway
-  Runway Usage Extended Beyond 2300 hours
-  Closed Operations

Changes in Operations – South Flow

(Flights Shown are Pre-Pandemic Levels)

Normal Operations

RWY 18R/36L Closure

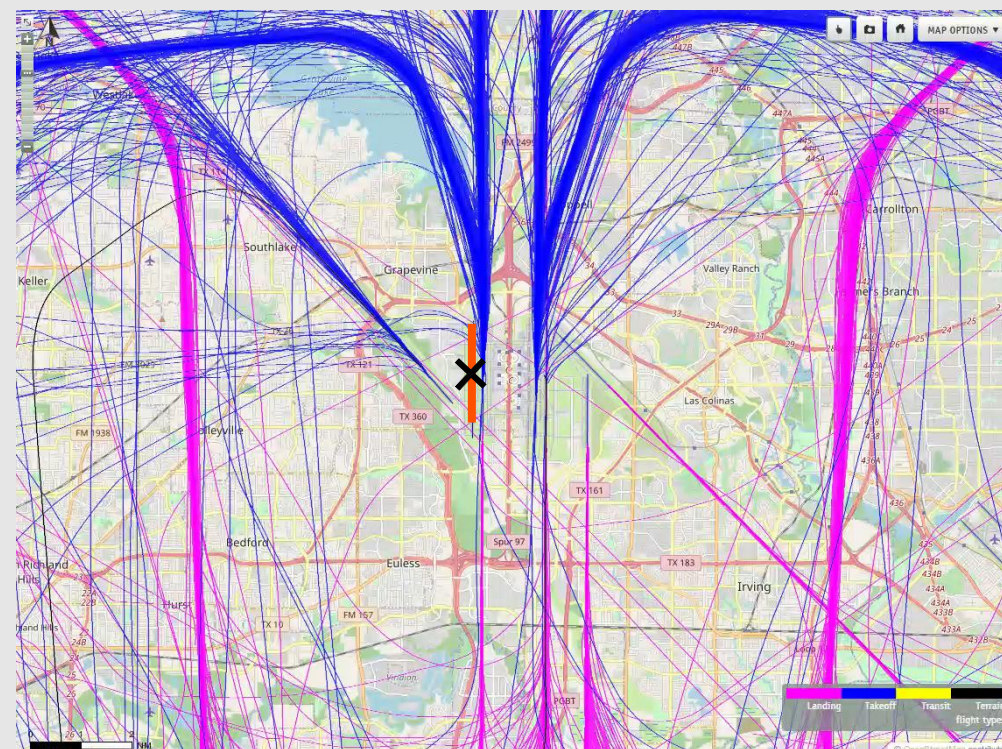
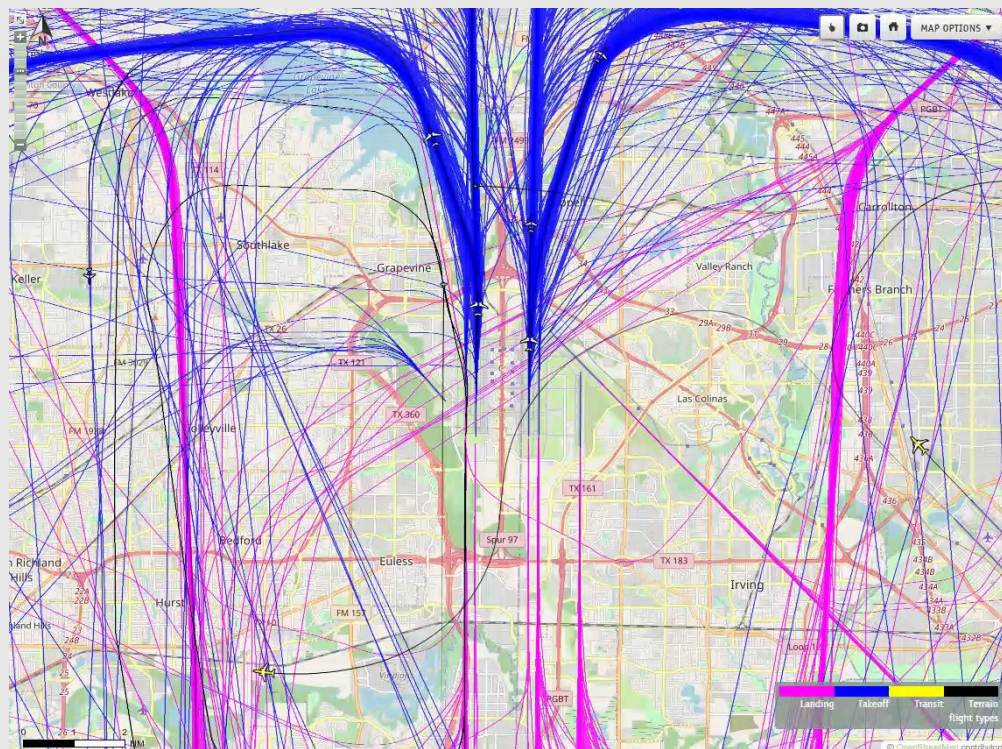


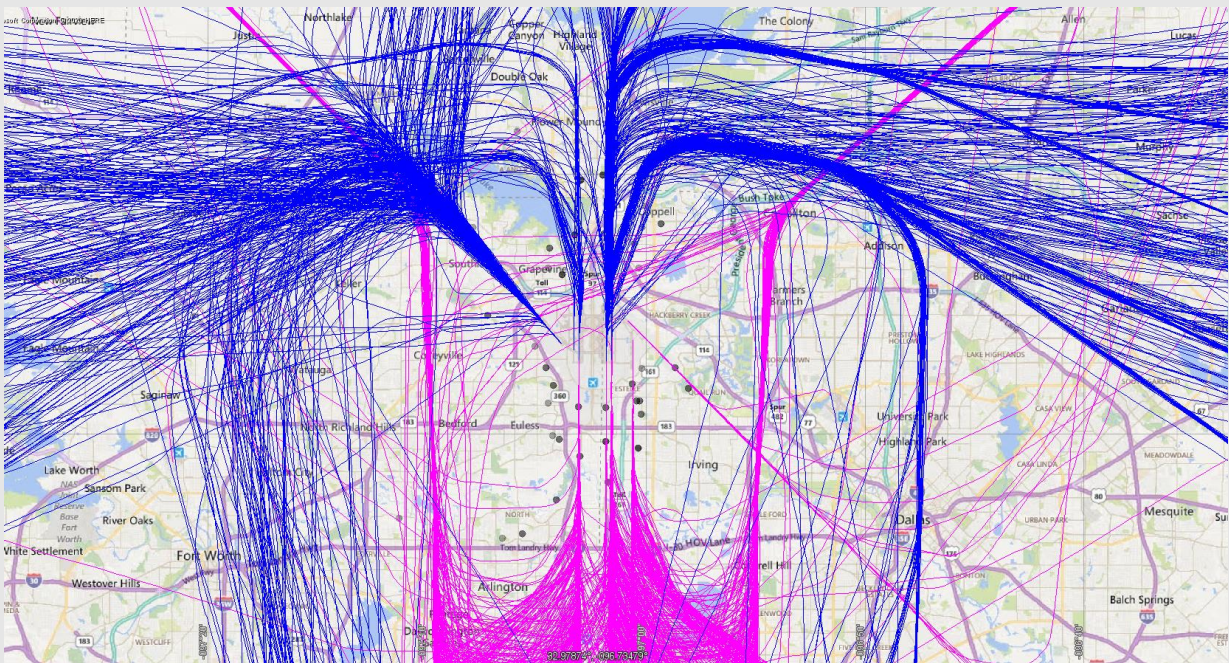
Changes in Operations – North Flow

(Flights Shown are Pre-Pandemic Levels)

Normal Operations

RWY 18R/36L Closure



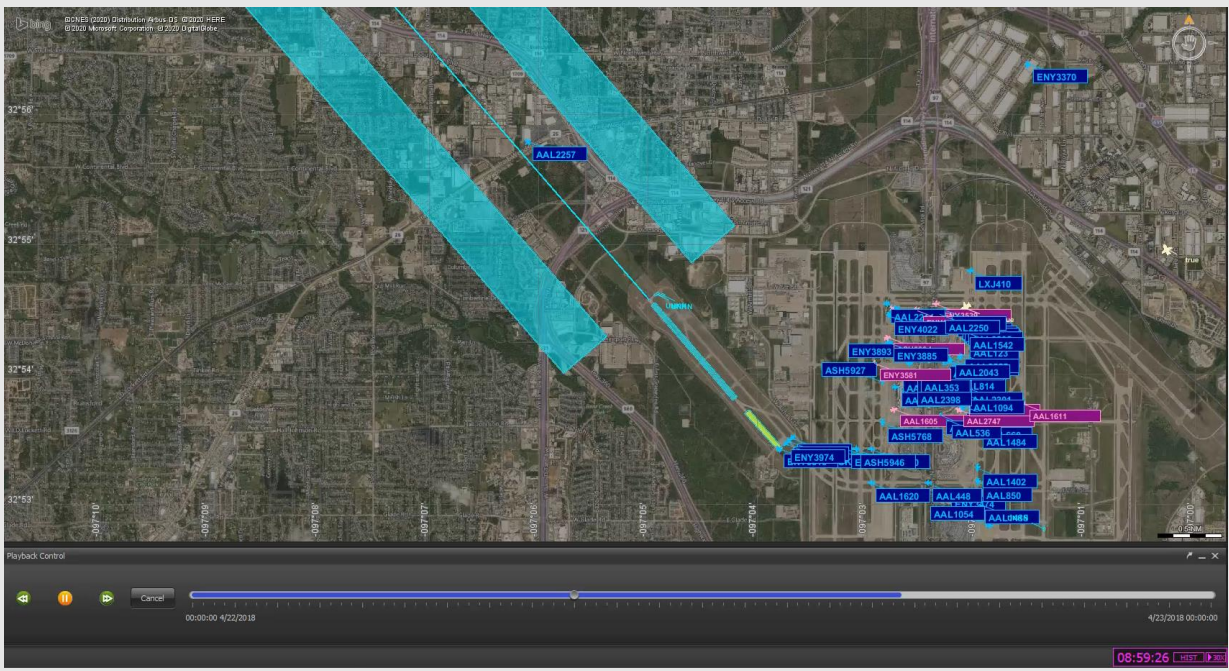


Runway 31L Procedures & Tracking

(Flights Shown are Pre-Pandemic Levels)

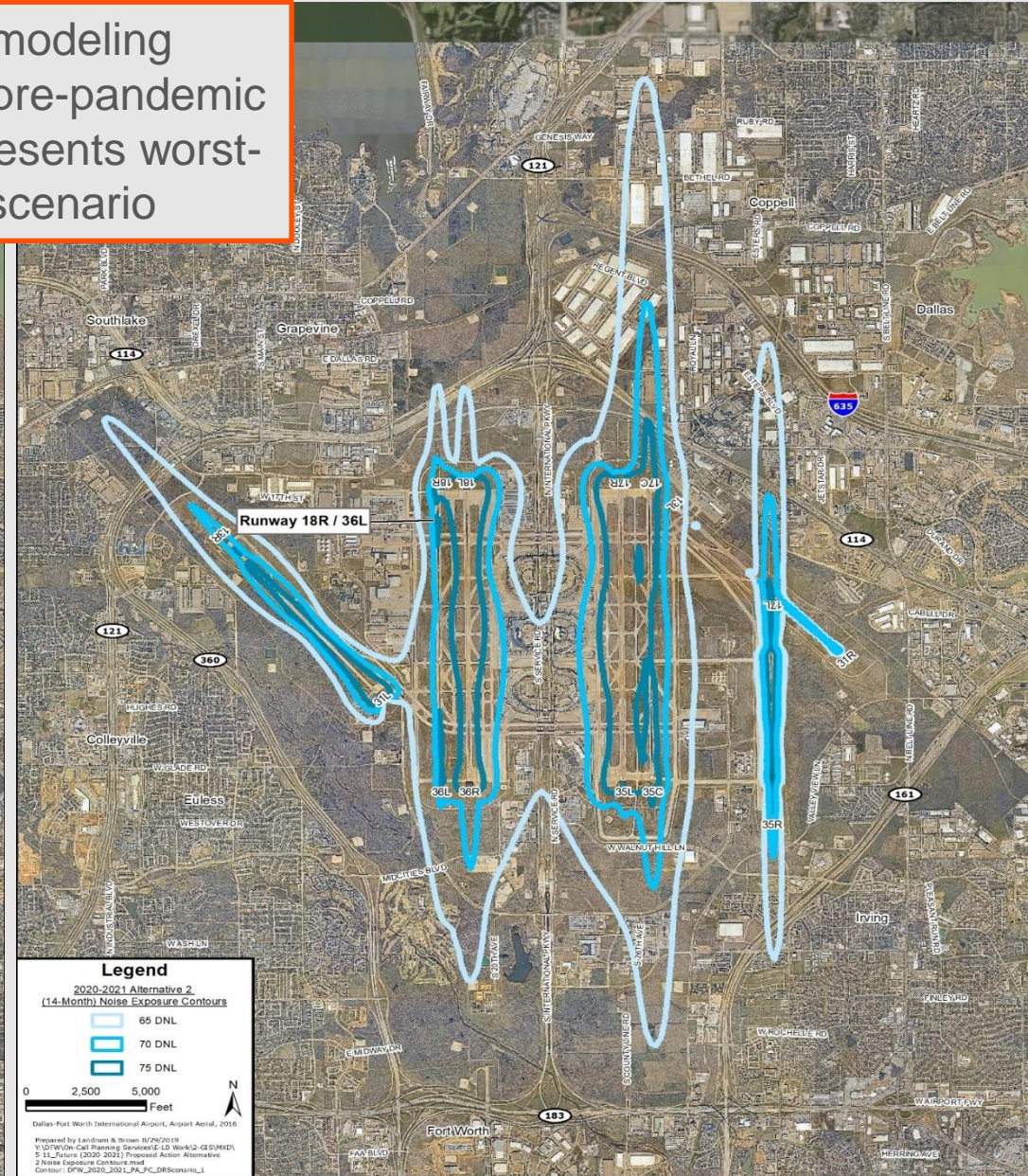
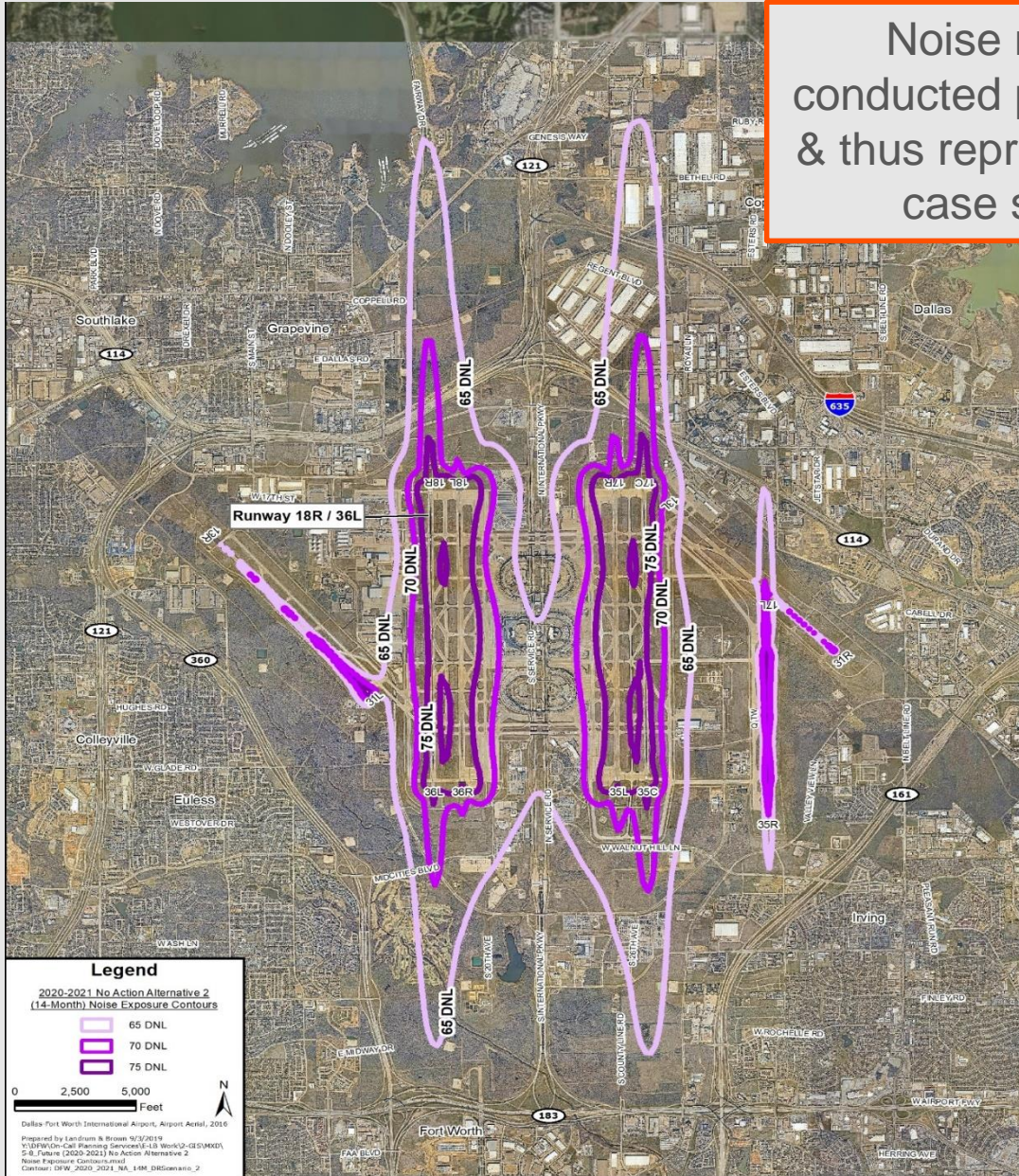
Runway 31L will be needed during Runway 18R closure to manage airport operational needs especially during peak periods.

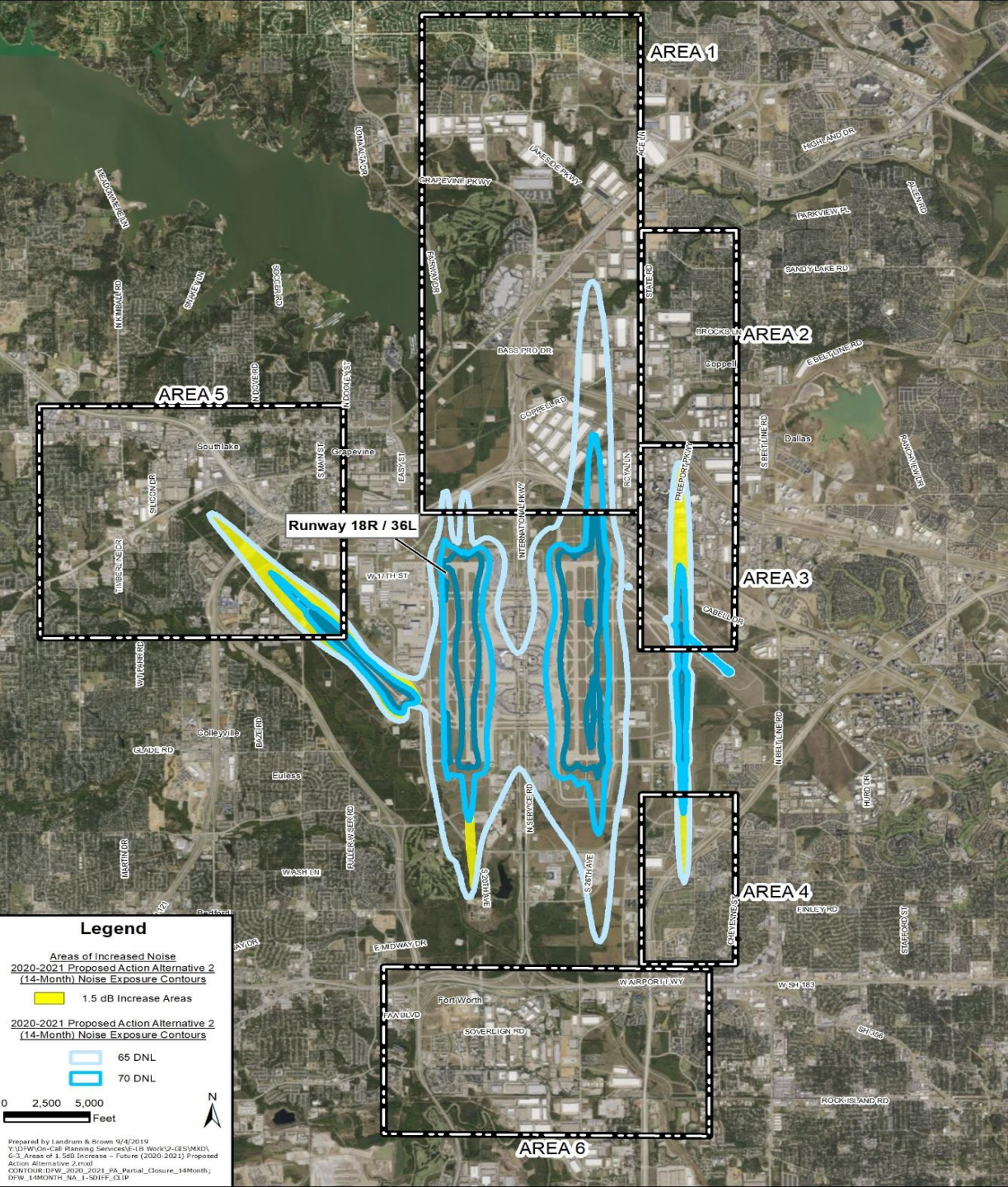
- Runway 31L is not often used for jet departures except during west-side runway closures and/or strong west winds.
- There are no NextGen (precision) procedures for Runway 31L departures
- FAA and airlines will maintain runway heading to five miles, to the extent practicable
- DFW actively monitors the use of Runway 31L for jet departures, when needed, and collaborates with FAA
- Long term, FAA's NextGen program provides for best long term solutions. DFW & FAA are exploring options for a PBN Procedure in order to put in place 31L procedures with greater precision and predictability.



NOISE CONTOURS: Without and With Runway 18R/36L Closure

Noise modeling conducted pre-pandemic & thus represents worst-case scenario





Summary of Changes in Noise Effects during Runway 18R/36L Closure

- Shifting aircraft to other runways results in some increase in noise levels
- Yellow Areas indicate areas where increased noise levels exceed 1.5 dB with the 65 DNL (FAA's threshold of significance); However...
 - Areas are used for Commercial purposes and are characterized as compatible land use.
 - More than 85% of the area is comprised of land owned by DFW Airport.
 - Effects of shifting air traffic may be heard beyond the 65 DNL

Noise modeling conducted pre-pandemic & thus represents worst-case scenario

SUMMARY

Ongoing Partnerships

- DFW and the local surrounding city partners have had a long standing relationship of open communication and proactive engagement

Runway Rehabilitation Enhancements

- Runway 18R/36L is the second in DFW's runway rehabilitation projects
- The project is being accelerated to begin June 1st, 2020 (due to COVID-19 reduced operations)
- DFW has strategically adopted lessons learned from the Runway 17C/35 to reduce closure time and impacts to communities

Community Resources

- Informational Websites (DFW and City) and Project Fact Sheet to inform the public
- Publicly accessible flight tracking website as a community resource for aircraft traffic activity and news
- DFW will monitor operations and keep the City informed of progress



Your Opinion Matters...

Do you have any questions or concerns that we did not address?

How would you like to receive updates?



Contact Us



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Noise Complaint Line

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Thank You