CHICAGO
MAYOR BRANDON JOHNSON

2024 Airfield Construction Overview for O'Hare Noise Compatibility Commission (ONCC)

May 9, 2024

CDA
Chicago Department of Aviation

O'HARE & MIDWAY
INTERNATIONAL AIRPORTS

RECAP OF 2023 AIRFIELD PROJECTS

1

ILLINOIS TOLLWAY I-490 SITE PREPERATION (9L/27R)

- Shutdown of Rwy 9L ILS (May 1 - Oct 31, 2023) - **Restored**
- Shutdown of Rwy 27R ILS (Jun 1 - Jun 30) - **Restored**

2

RWY 9R EXTENSION (OMP) – COMPLETION OF 9R ALS

- No arrivals to Rwy 9R (only when cranes are up) - **Finished**
- No departures from Rwy 27L (only when cranes are up) - **Finished**

3

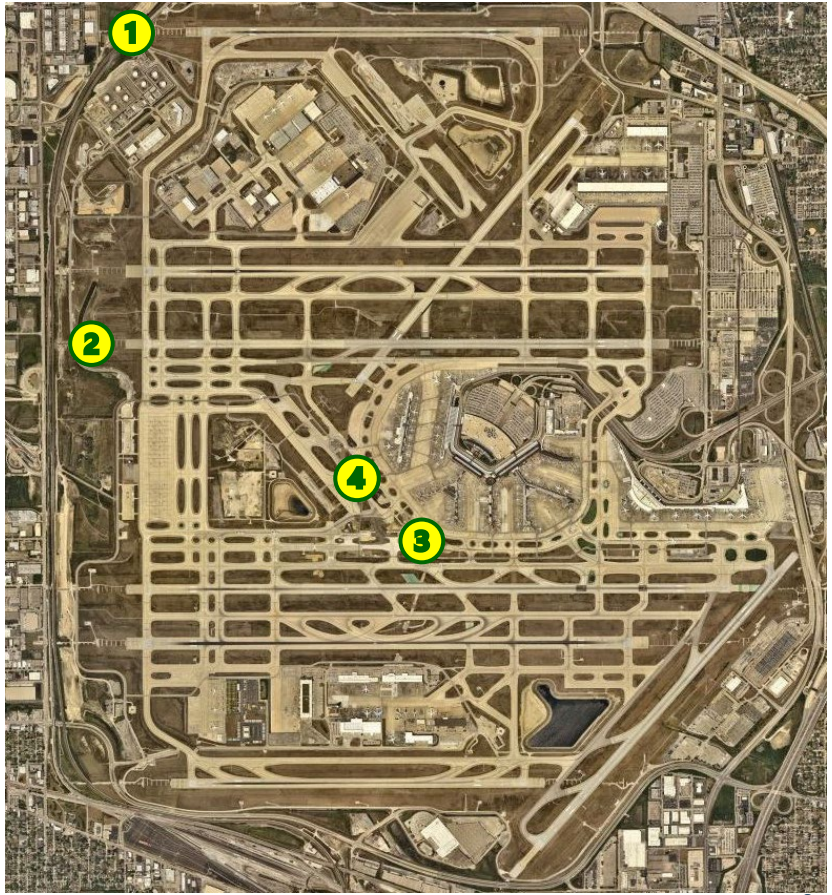
TWY A/B (EAST-WEST) / CARGO TUNNEL EXTENSION

- Twy L connection to B - **completed December 15, 2023**

4

TERMINAL AREA PLAN (TAP)

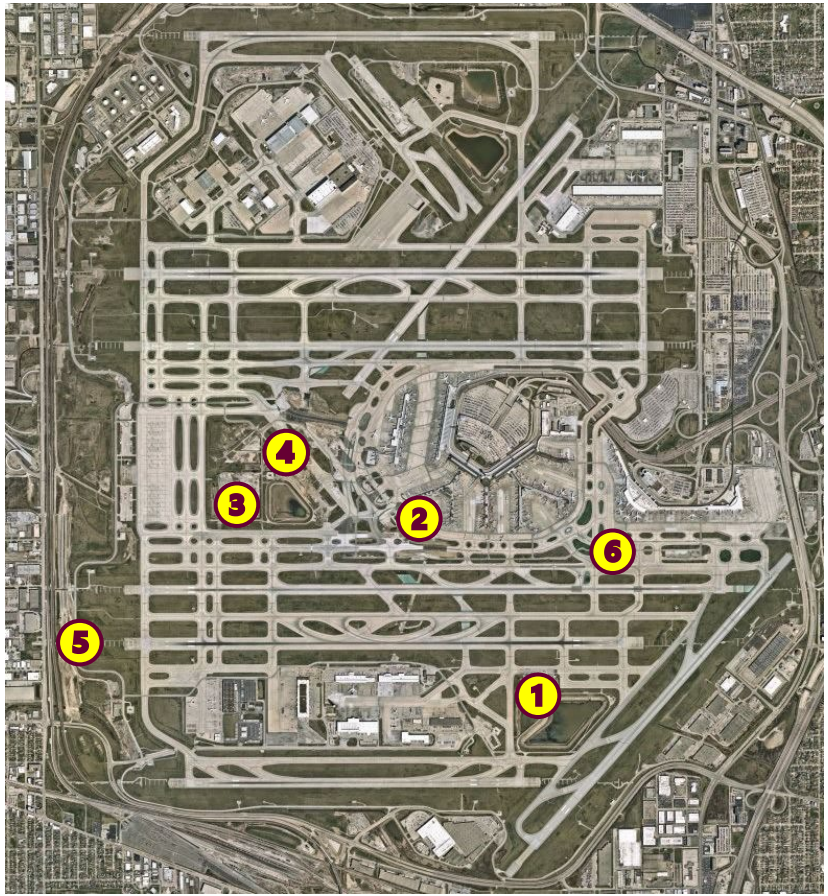
- Temporary bump out of Twys A & B undertaken in 2023
- Construction of new Twy north of future Satellite S2 completed
- Buildout started for temporary gates off of Concourse C to offset pending gate closures for Satellite S1 - **completed Spring 2024**
- Utility work ongoing



Source: Chicago O'Hare International Airport - Nearmap Aerial (June 19, 2023); Ricondo (May 7, 2024) / Image not to scale / North

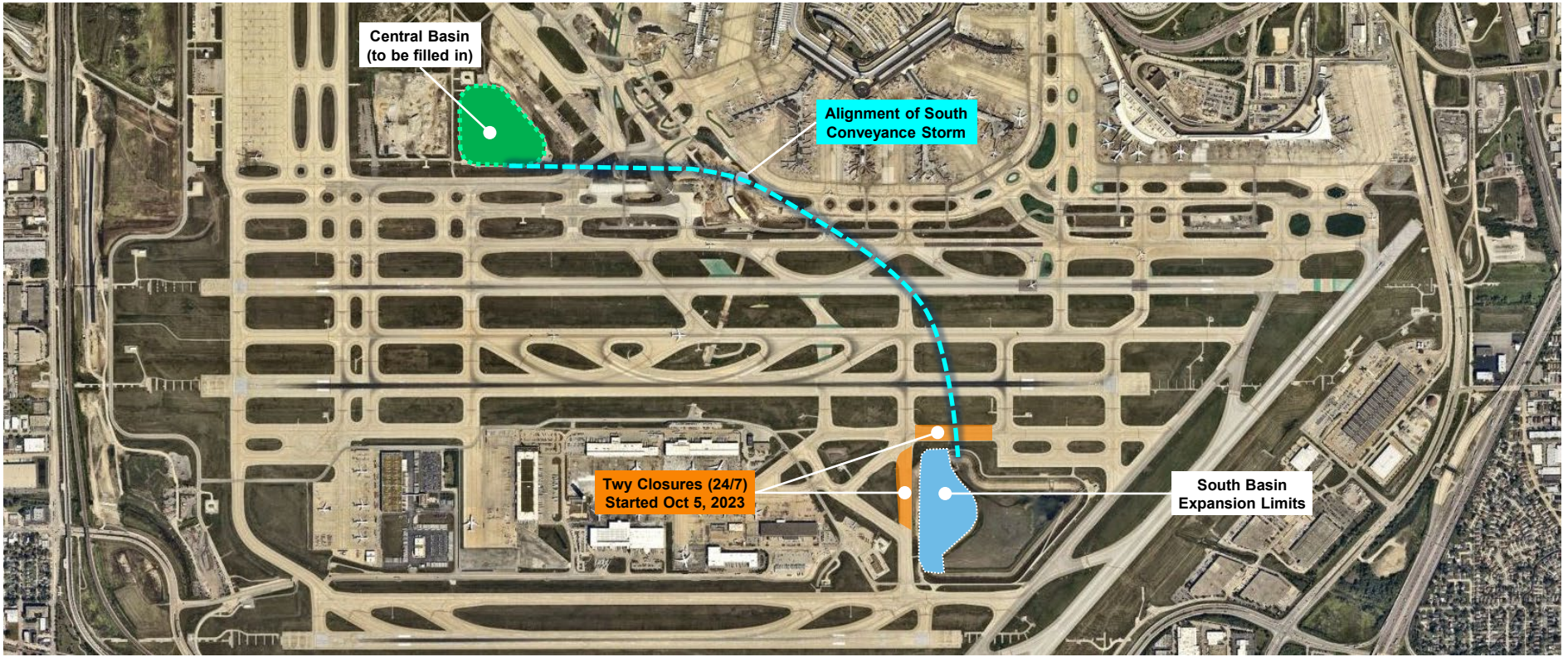
2024 PROJECTS WITH AIRFIELD IMPACTS

1	**SOUTH BASIN EXPANSION & SOUTH CONVEYANCE (TAP)** • Complete closure of Twys RR & F (started late 2023)
2	**TWY A/B (EAST-WEST) / CARGO TUNNEL EXTENSION** • Temporary Twy U (btwn A-B) closes Apr 22, 2024 • Twy K connects to A on Aug 1, 2024
3	**EAST-WEST WATER MAIN (TAP)** • Phased Closures of Twys K, AA, CC, K2 & DD
4	**TWY A/B (NORTH-SOUTH) – PHASE 1 (TAP)** • (Remaining from 2023)
5	**ILLINOIS TOLLWAY I-490 SITE PREPERATION (10C/28C)** • Shutdown of Rwy 10C GS/ALS (Jun 1 - Oct 31, 2024)
6	**EAST TWY IMPROVEMENTS (TWY LL COMPLETION)** • Phased closures of Twys N, N5, EE, LL, GG & V4 (Phase 1)



Source: Chicago O'Hare International Airport - Nearmap Aerial (April 9, 2024); Ricondo (March 12, 2024) / Image not to scale / North

❶ OVERVIEW OF SOUTH BASIN EXPANSION & SOUTH CONVEYANCE PROJECTS



Source: Chicago O'Hare International Airport – Nearmap (September 15, 2023) ; Ricondo (March 14, 2024) / Images not to scale / North

❶ SOUTH CONVEYANCE CONSTRUCTION – EXAMPLE OF JUNCTION CHAMBERS

Source: Chicago O'Hare International Airport – Turner-Paschen Aviation Partners (TPAP) Drone Photos (March 2024); / Images not to scale

❷ TWY A/B (EAST-WEST)

Source: Chicago O'Hare International Airport – Nearmap (September 15, 2023) ; Ricondo (March 14, 2024) / Images not to scale / North

❺ ILLINOIS TOLLWAY I-490 SITE PREPARATION (10C/28C)

Construction of bridge over future I-490 Tollway that is being built along the west corridor of O'Hare. Road work to follow.

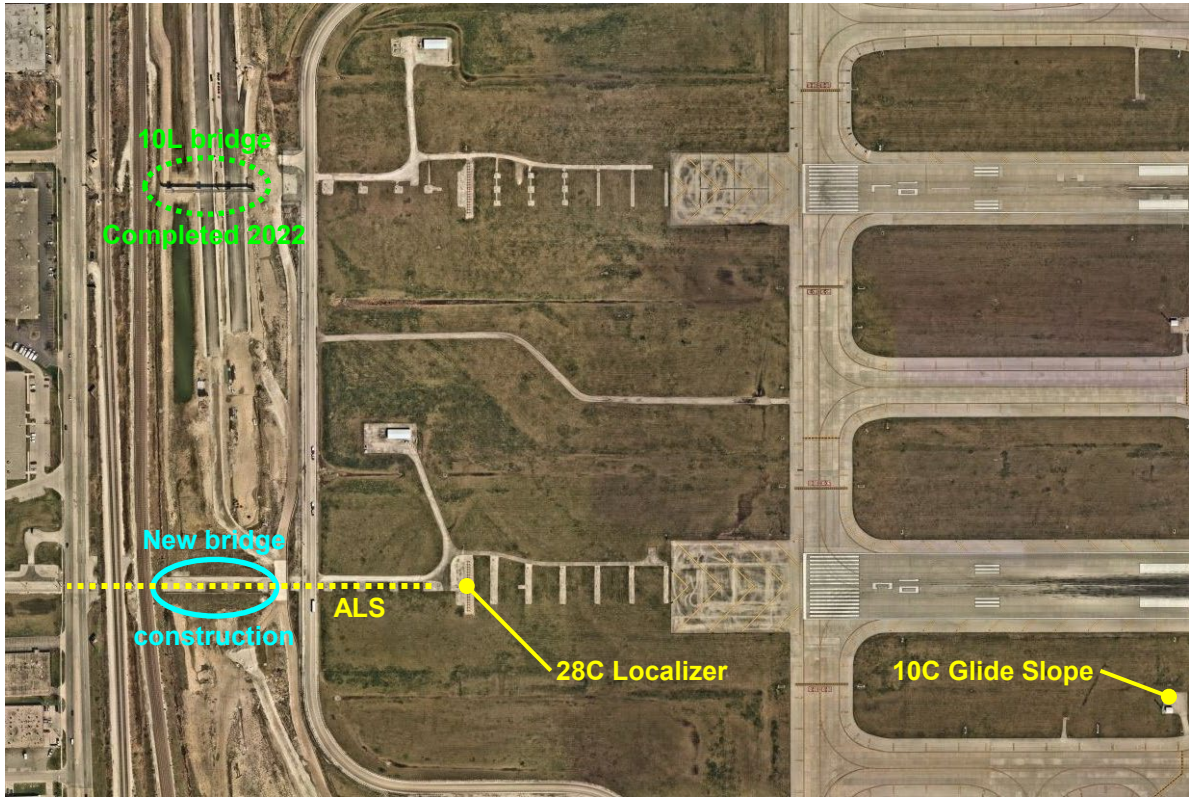
Approach Lighting System (**ALS**) for 10C will be repositioned into the new bridge.

Similar work already done recently:

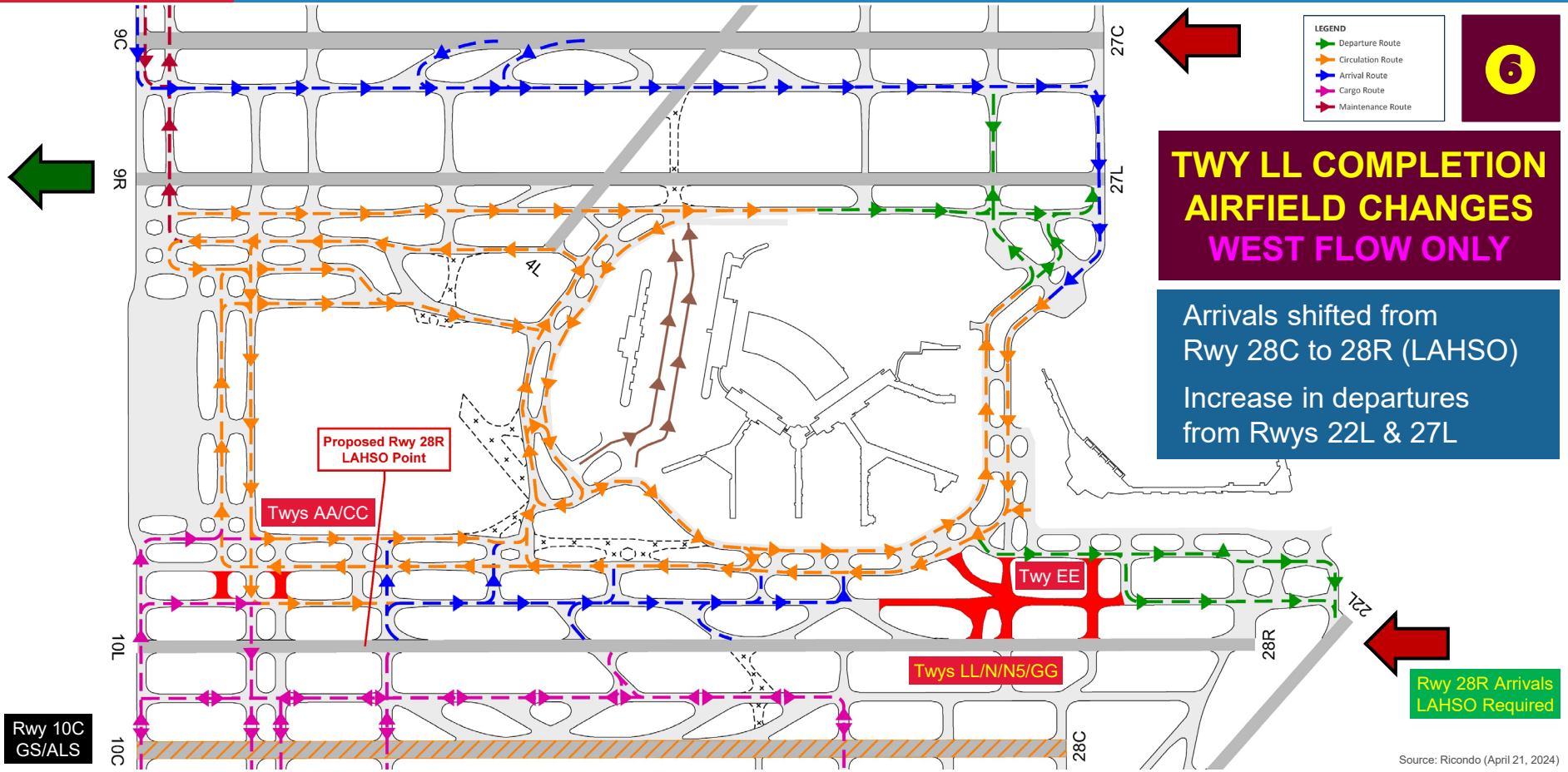
- **2023** – Rwy 9L
- **2022** – Rwys 9R & 10L
- **2021** – Rwy 9C

2024 planned impact overview:

- **10C ALS** & **Glide Slope shutdown** between Jun 1 – Oct 31
- **28C Localizer shutdown** limited to a 2-week timeframe & nighttime work

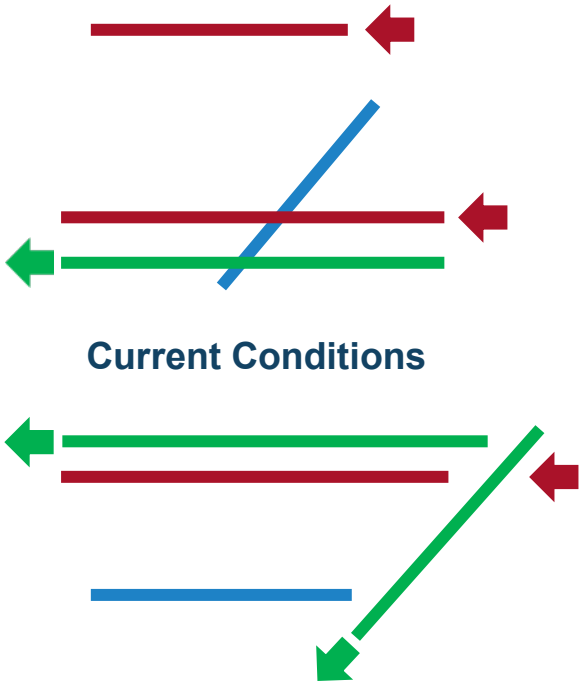


Source: Chicago O'Hare International Airport – Nearmap (April 9, 2024) ; Ricondo (March 14, 2024) / Images not to scale / North



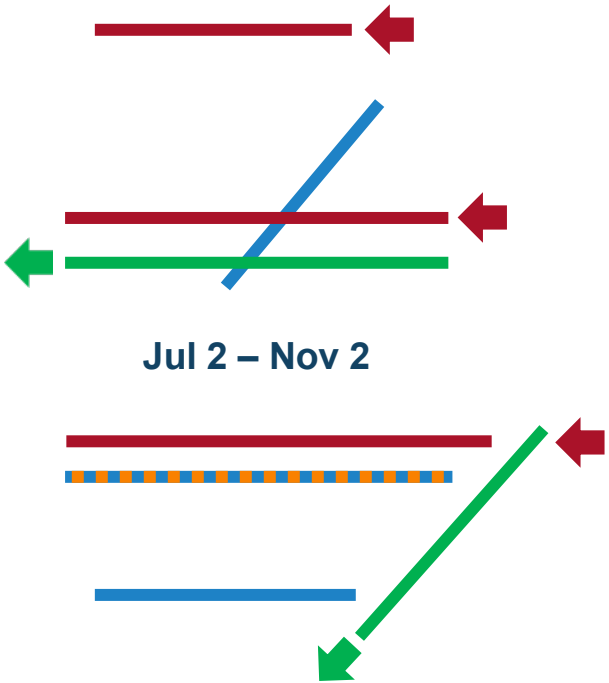
Source: Ricondo (April 21, 2024)

TWY LL COMPLETION – PROJECTED 2024 RWY USE CHANGES (WEST FLOW)



Current Conditions

- Rwy 28C arrivals suspended due to taxi route restrictions
- Arrivals shifted from Rwy 28C to 28R (departures suspended)
- LAHSO installed on Rwy 28R for arrivals to maintain crossing
- Increase in departures from Rwys 22L & 27L



Jul 2 – Nov 2

Source: FAA OMP EIS (2005), FAA TAP EA TAAM Modelling (2019/20), Ricondo (May 7, 2024)

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