



Houston Airport System

Jim Szczesniak, A.A.E.

Director of Aviation

George Bush Intercontinental Airport (IAH)

William P. Hobby Airport (HOU)

Ellington Airport (EFD) / Houston Spaceport



Today's Presentation

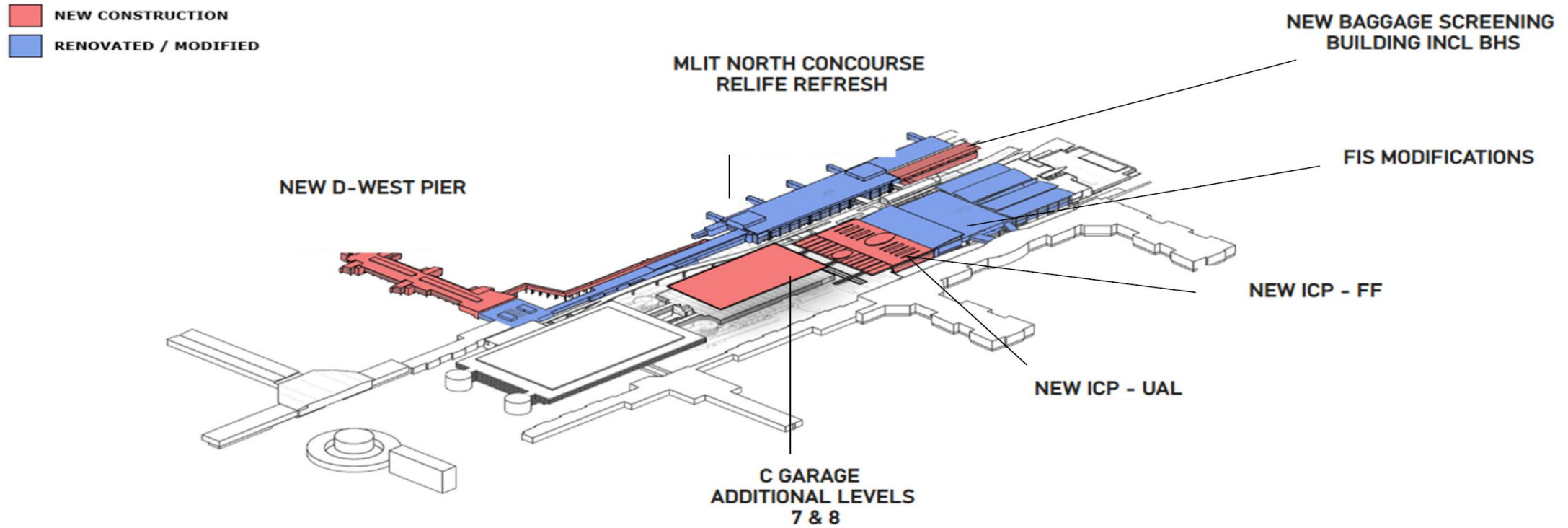
- Airport Experience
- Houston Spaceport
- ACI Level 2 Sustainability



Airport Experience



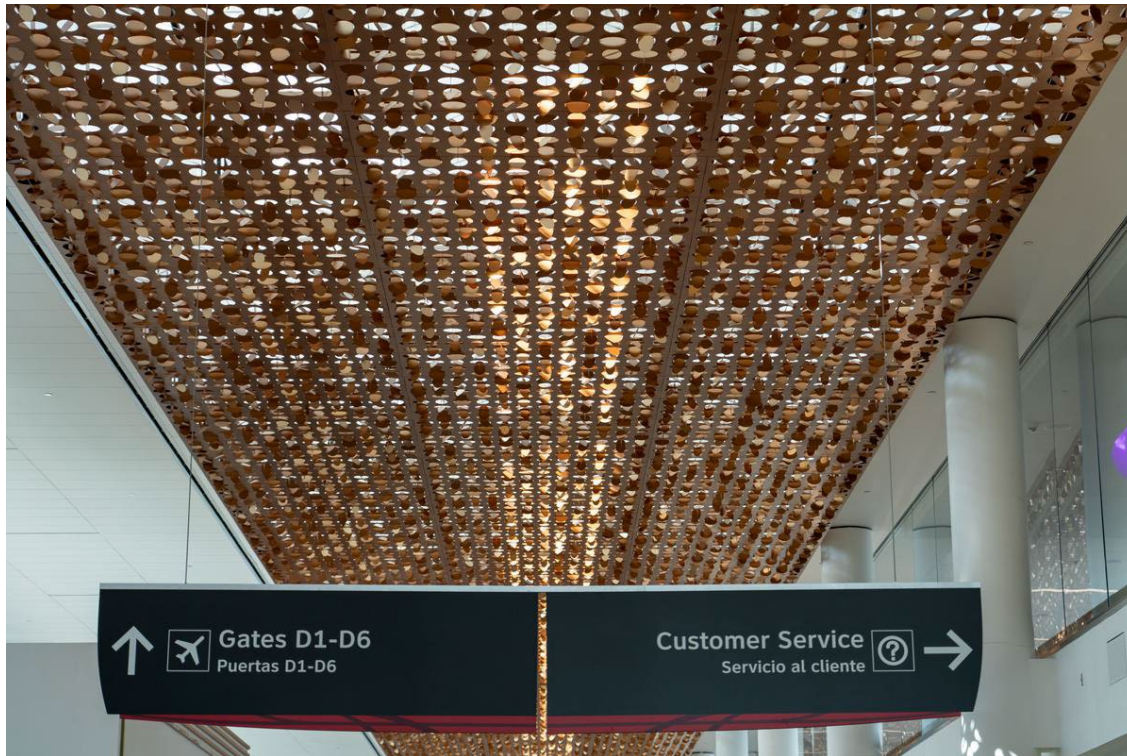
IAH Terminal Redevelopment Program (ITRP)



- \$1.458 billion investment



IAH D-West Pier Opens Tuesday, October 22















IAH D-West Pier Concessions

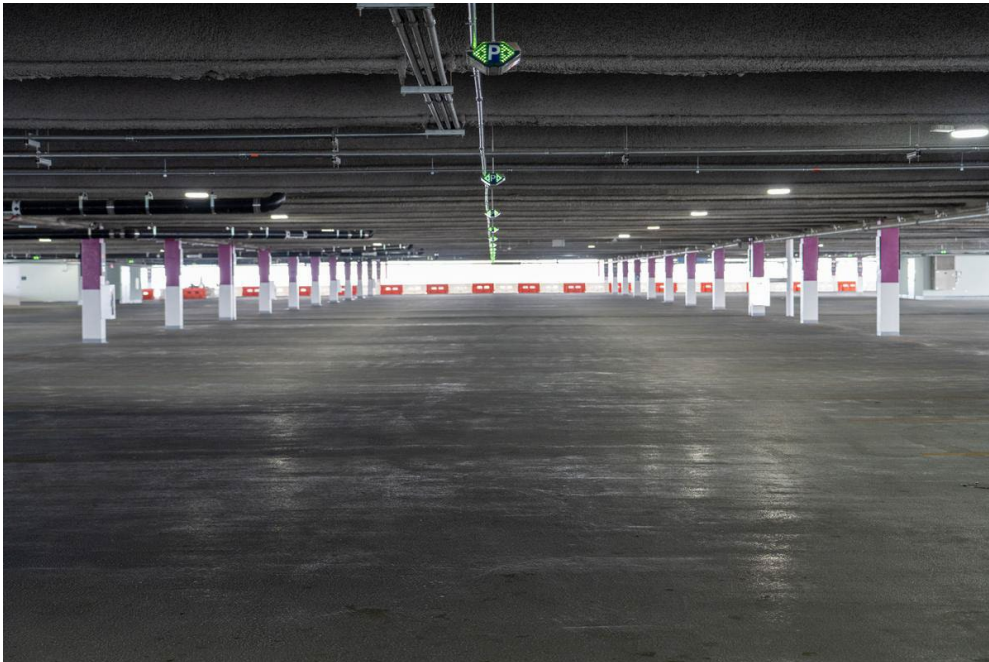


- The Annie Cafe (local)
- The Kitchen (local)
- Velvet Taco (local)
- Semi-Sweet Confectionary
- Jamba Juice
- Einstein Bagels
- Popeyes
- Be Relax
- Jetero Market
- Houston Supply Co.
- LEGO Store
- Urban Crave
- Hip & Humble
- iShoppes Duty Free (3 locations)



Parking

150 spaces coming to IAH C/D/E Garage



Cashless Pay System

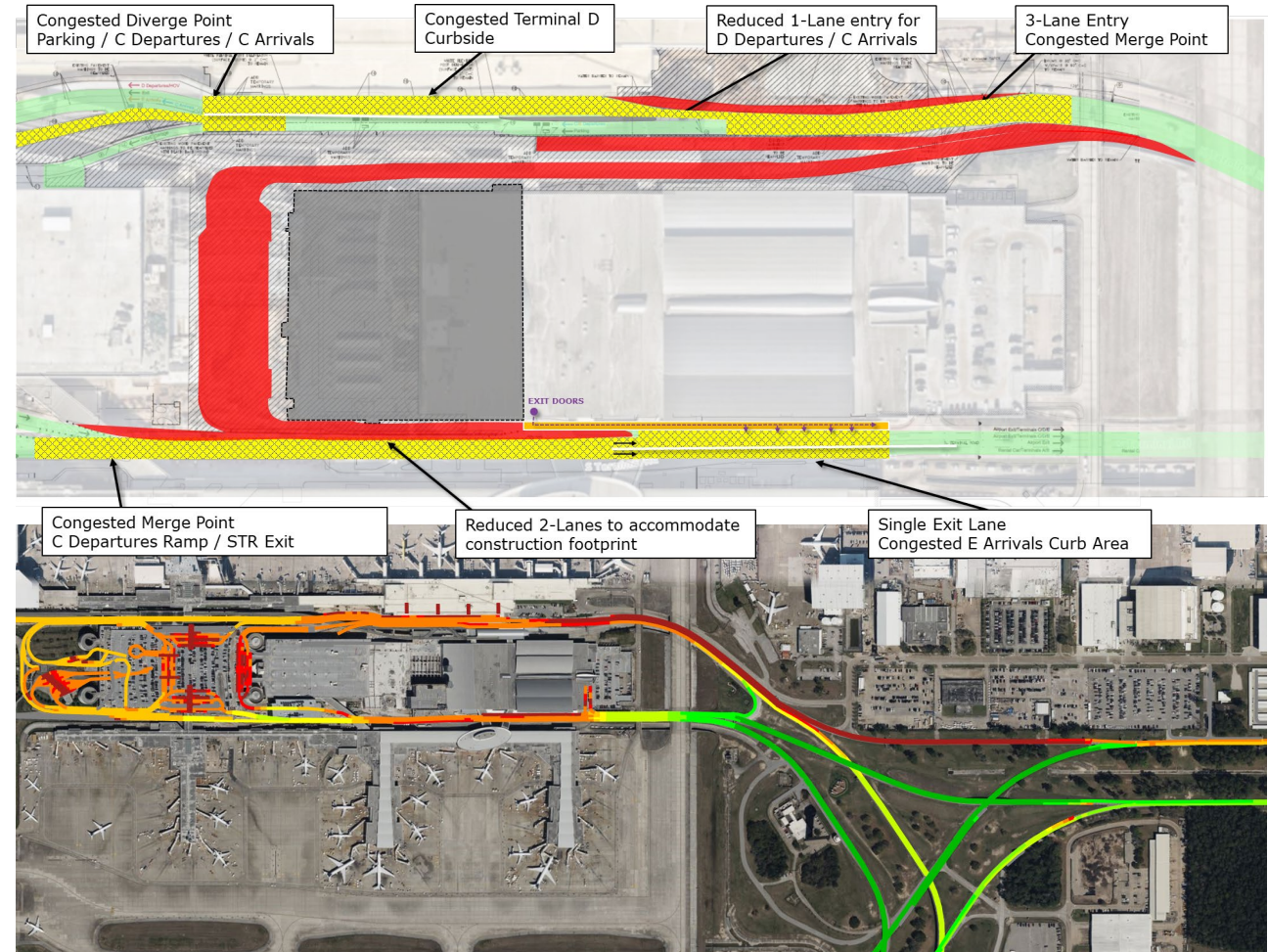


- Installed at IAH ecopark2 and HOU Garages
- In progress: HOU ecopark
- Up next: IAH Garages
- All phases completed by summer 2025



Current Conditions

- 3-lane entry on North Terminal Road.
- Multiple congestion points
 - Curbs
 - Pick-ups/drop-offs adjacent to travel lanes.
- Travel time of 14 minutes on C/D/E Loop.





1. Marriott Traffic Signal
 HPD Placement: 18:00 – 21:30

2. North Terminal Road at C West
 (C Garage/C TNC alternate exit)
 HPD Placement: 14:30 – 21:30

3. C Departures Curb
 HPD Placement: 6:00 – 22:00
 HAS Staff Placement: 4:00 – 6:00

4. D Departures Curb
 Contract LEO Placement: 8:00 – 21:00
 HAS Staff placement as needed



8. South Terminal Road at C Garage Exit/Underpass
 Contract LEO Placement: M-Sa: 17:00-22:00; Sunday 16:00-22:00

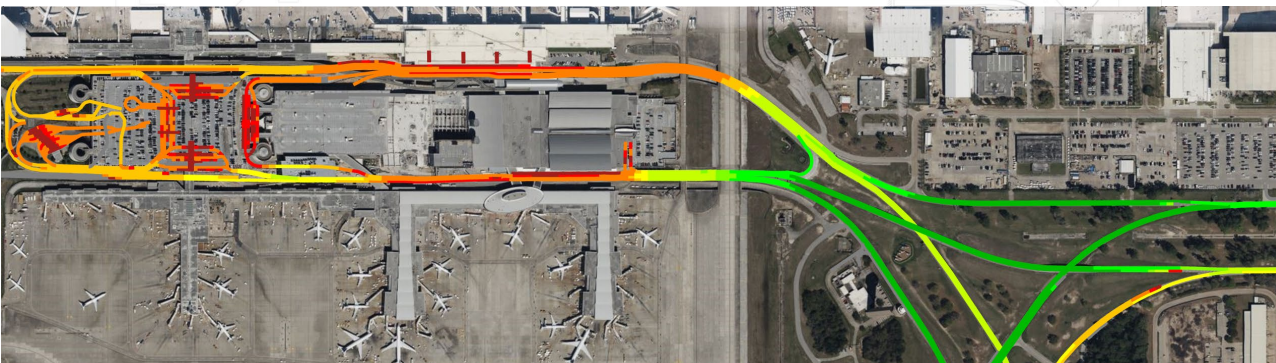
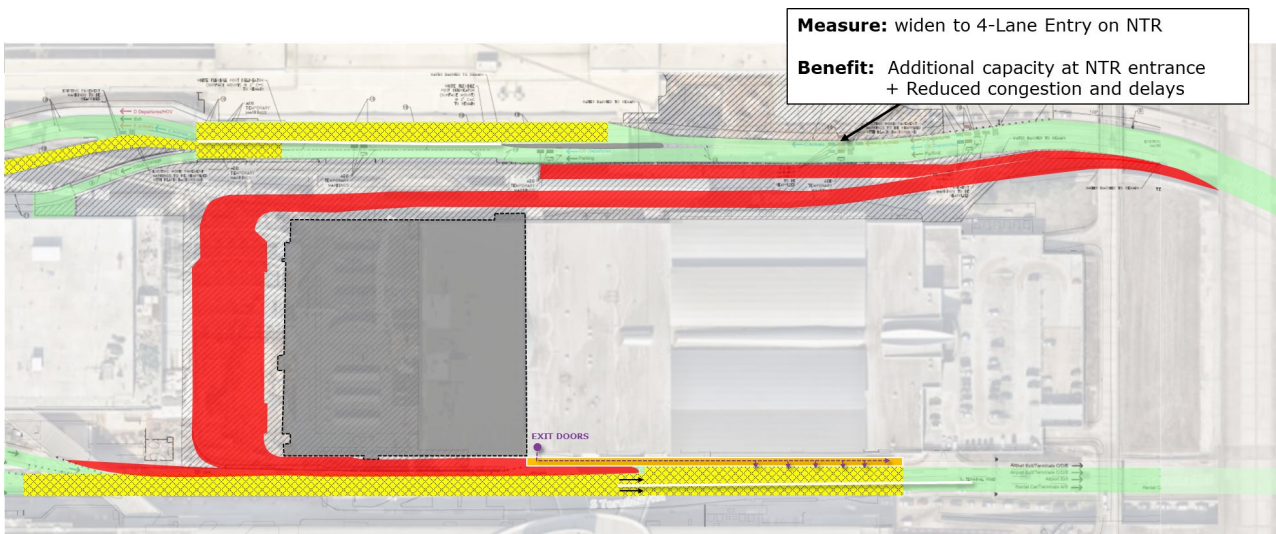
7. C Arrivals
 HAS Staff Placement 05:30- 0200 (varies on flights)

6. South Terminal Road at C Departures Merge Point
 Contract LEO Placement: 07:30- 20:00

5. E South Arrivals Curb
 Contract LEO Placement: 13:30 – 21:30
 HAS Staff Placement: 5:30 – last flight (During LEO shift HAS controls crowd on E Arrivals sidewalk to maximize curbs)



November 2024 – Improved NTR Entrance



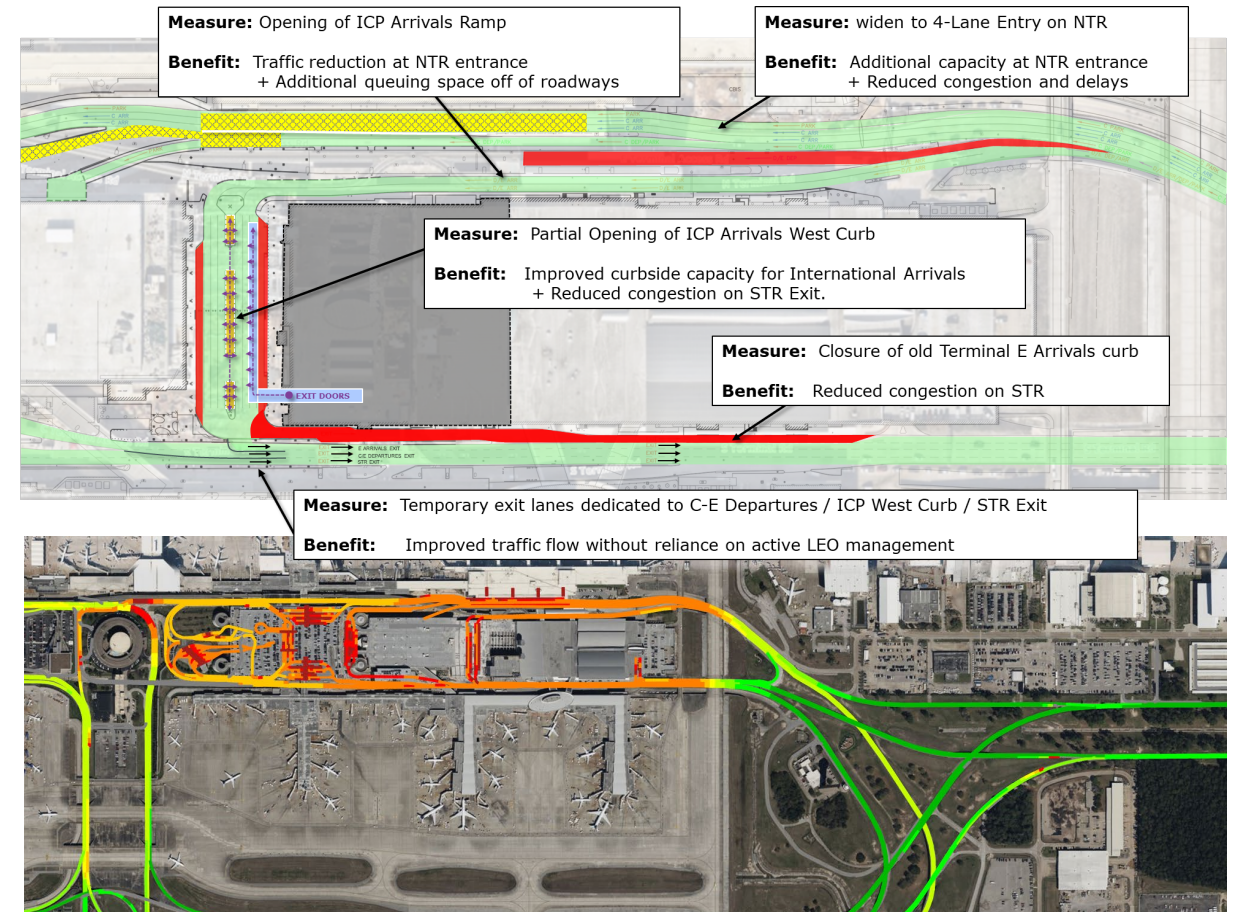
Anticipated Improvements

- 4-Lane Entry on North Terminal Road
 - Will provide significant relief
- Removal of merge point
- Reduced congestion and delays
- Travel Time of ~ 8.5 minutes around C/D/E Loop (6-minute reduction)



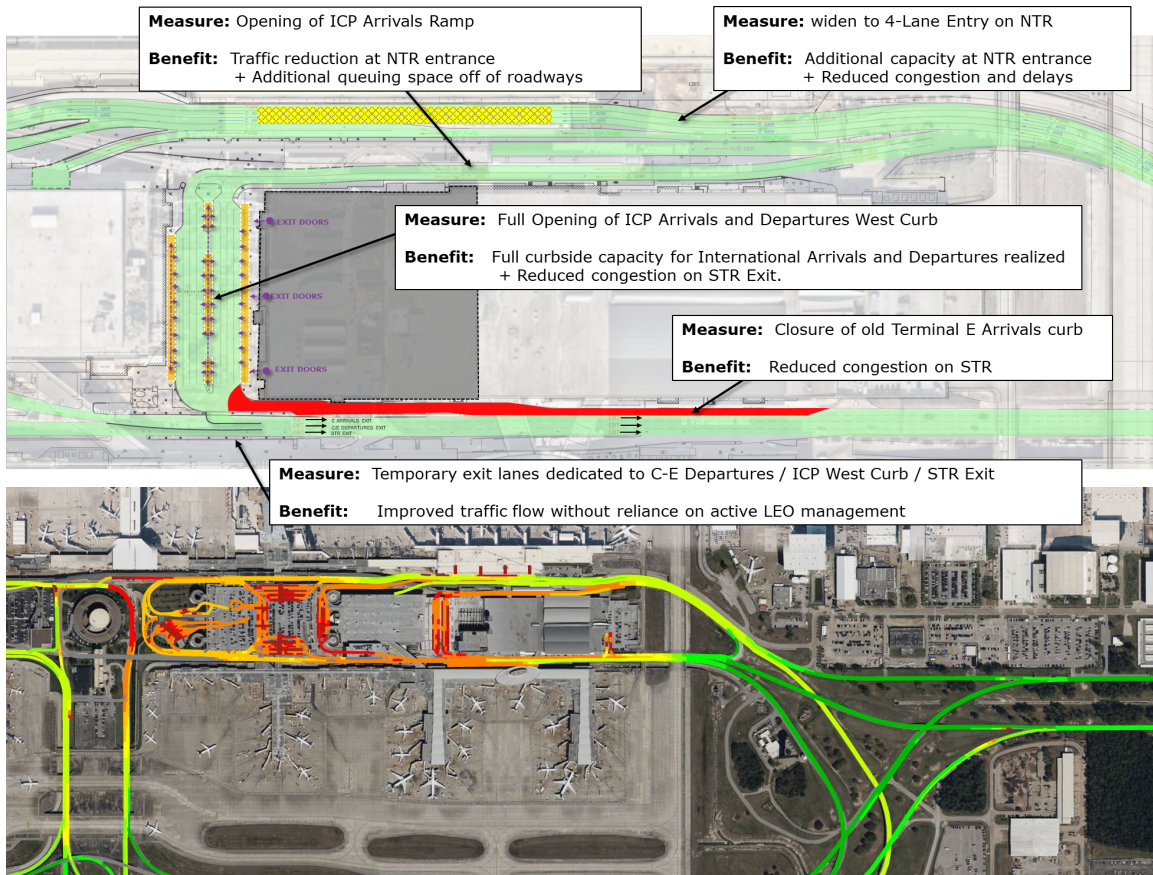
December 2024 – Partial Opening of ICP Arrivals Curb

- Anticipated Improvements
 - 4-Lane Entry on North Terminal Road
 - Removal of merge point
 - Reduced congestion and delays
 - Partial opening of ICP Arrivals Curb provides relief on STR
 - Travel Time of ~ 8.2 minutes around C-D-E Loop (6-minute reduction)
 - Significant relief provided on NTR with 4-Lane Entry





January 2025 – Full Opening of ICP Arrivals / Departure Curbs

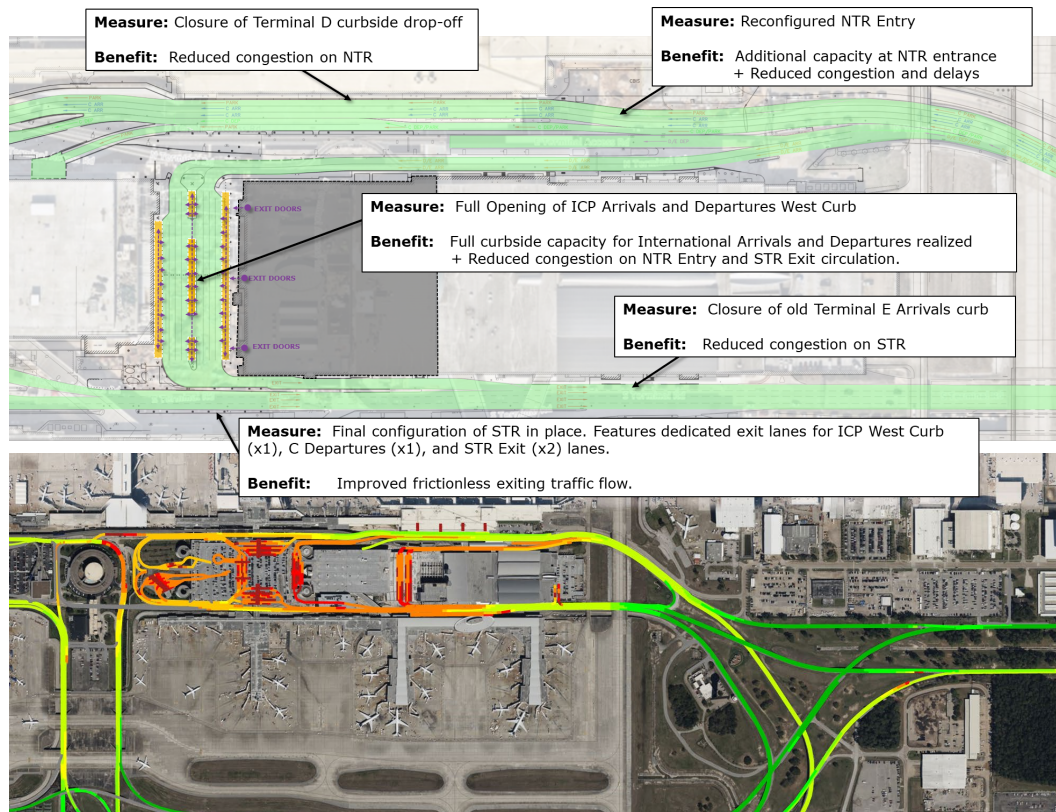


Anticipated Improvements

- 4-Lane Entry on North Terminal Road
- Removal of merge point
- Reduced congestion and delays
- Full opening of ICP Arrivals and Departures Curb provides relief on STR
- Travel Time of ~ 6.4 minutes around C-D-E Loop (8-minute reduction)
- Significant relief provided on NTR with 4-Lane Entry
- Considers additional Terminal B loading at Terminal C with TBT Project underway



Late Summer 2025 – Completion of ICP / Final Traffic Configuration

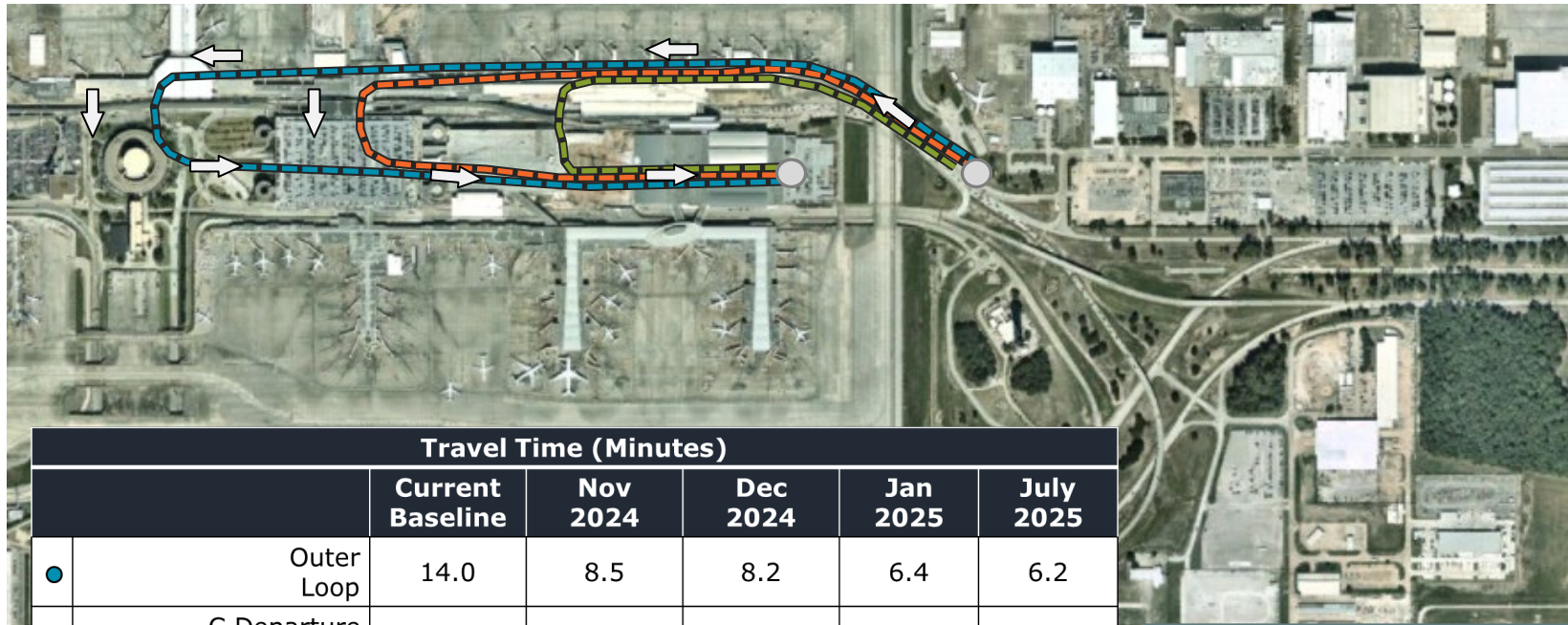


Anticipated Improvements

- 4-Lane Entry on North Terminal Road
- Removal of merge point
- Reduced congestion and delays
- Full opening of ICP Arrivals and Departures Curb provides relief on STR
- Completion of decommissioning work on STR
- Travel Time of ~ 6.2 minutes around C-D-E Loop (8-minute reduction)
- Considers additional Terminal B loading at Terminal C with TBT Project underway



Travel Time Segments



		Travel Time (Minutes)				
		Current Baseline	Nov 2024	Dec 2024	Jan 2025	July 2025
●	Outer Loop	14.0	8.5	8.2	6.4	6.2
●	C Departure Loop	8.0	7.5	7.3	4.5	4.7
	ICP Departure (Upper Level)	--	--	--	4.7	4.6
●	ICP Arrival (Lower Level)	--	--	5.5	5.3	4.7

Travel Time Segments	
●	Outer Loop
●	C Departures Loop
●	ICP Upper/Lower Loop



IAH Terminal A Restroom Renovation

Before | IAH, near Gate A8



After





\$30 Million Restroom Renovation Project

- IAH Terminal A
 - 18 Restrooms
 - 7 Family Restrooms
 - 1 Companion Care Changing Room
- IAH Terminal D
 - 5 Restrooms
 - 1 Restroom in Mother's Room
- IAH Sterile Corridor
 - 2 Restrooms
 - 1 Family Restroom
- HOU Phase 2 Restrooms:
 - Gates 20-23 – December 2024
 - Gates 28-32 – March 2025
 - Gates 24-27 – July 2025
- HOU Phase 3 Restrooms:
 - RR 3-4 – December 2024
 - RR 5-6 – May 2025
 - RR 58-69 – October 2025



\$35 Million Jet Bridge Project

- 80% FAA Grant Participation
 - \$28 million for 22 gates at IAH
 - \$7 million for 5 gates at HOU
- Replacing:
 - Passenger Loading Bridges
 - Ground Power Units
 - Preconditioned Air Units
- Project starts Nov. 4

Current bridges





HOU Concessions (Phase 2)



- Starbucks (Post Security)
- The Rustic (local)
- Throughgood Bistro (local)
- Chick-fil-A
- Pei Wei
- Starbucks (Pre-TSA)

Phase 3 begins in early 2025 and includes Common Bond Café, Killen's Barbeque, SpindleTap Brewery and Yard House.



Houston Spaceport

Less than 20 miles south of Downtown Houston, it's the world's first truly urban spaceport.



Connecting EFD to Houston Spaceport





Intuitive Machines Lands Another NASA Contract

- NASA awarded Intuitive Machines a 'Near Space Network' contract with maximum potential value of \$4.8 billion.
- Houston Spaceport anchor tenants now have over \$10 billion in contracts.
- Intuitive Machines is working to grow its workforce and needs to expand its facility footprint to support boost in labor.





Venus Aerospace is Developing Hypersonic Technology



- Developing the Stargazer Spaceplane.
- Company motto: "Home in Time for Dinner".
- Working on a proposed lease to expand its ongoing rotating detonation rocket engine.
- Working on supersonic test corridor over the Gulf of Mexico.



Houston Spaceport and the Future of Space City



- San Jacinto College is expanding its EDGE Training Center at the Spaceport.
- Texas A&M to break ground on Aerospace Institute near the Houston Spaceport.
- BVI Machining is moving to the Spaceport.
- GHP, BAHEP and new opportunities.



Sustainability



Carbon Accreditation Level 2 Achieved: Reduction



From 2019 to 2022, Houston Airports reduced emissions:
IAH: 16% and HOU: 22%





Questions?