

# AUS Fuel Farm



Austin-Bergstrom  
International Airport



## Fuel Farm Improvement Plan

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# Agenda

- **Introductions**
- **Council Member Fuentes**
- **Austin-Bergstrom International Airport (AUS) Overview**
  - Governance, Master Plan, Site Selection
- **AUS Fuel Project Overview**
  - Environmental, Security and City of Austin Site Permit
- **Questions and Answers**



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# Airport Governance

- The airport is owned and operated by the City of Austin, through the Department of Aviation
- The Department of Aviation is enterprise department for the City of Austin. The department doesn't rely on municipal budget appropriations to operate or to develop AUS
- The Federal Aviation Administration (FAA) regulates aircraft operations and most development at AUS. Federal environmental and aircraft safety regulations were triggered by the proposed project



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# Master Plan & Project Overview

# Master Plan & Project Overview

- Current Facility constructed in 1999.
- Austin city growth = Airport passengers increase = airport facilities need to expand
- The expected number of flights and passengers will double in 20 years.
- Expansion is outlined in a master plan approved by FAA till 2040 - additional fuel capacity is **critical**.
- Master expansion plan includes 4 phases – Total of 61 projects
  - Phase 1- 22 projects – Fuel Farm #16
    - Phase 2 16 Projects
    - Phase 3 21 Projects
    - Phase 4 8 Projects
- AUS Fuel has contracted with Burns & McDonnell, a highly reputable full service engineering, architecture, construction, environmental and consulting solutions firm.
- Burns & McDonnell is leading the design, permitting and construction phases of the project.
- AUS Fuel will also continue to employ Menzies Aviation to operate the facility, as they have done without incident, since 1999.

## Phase 1

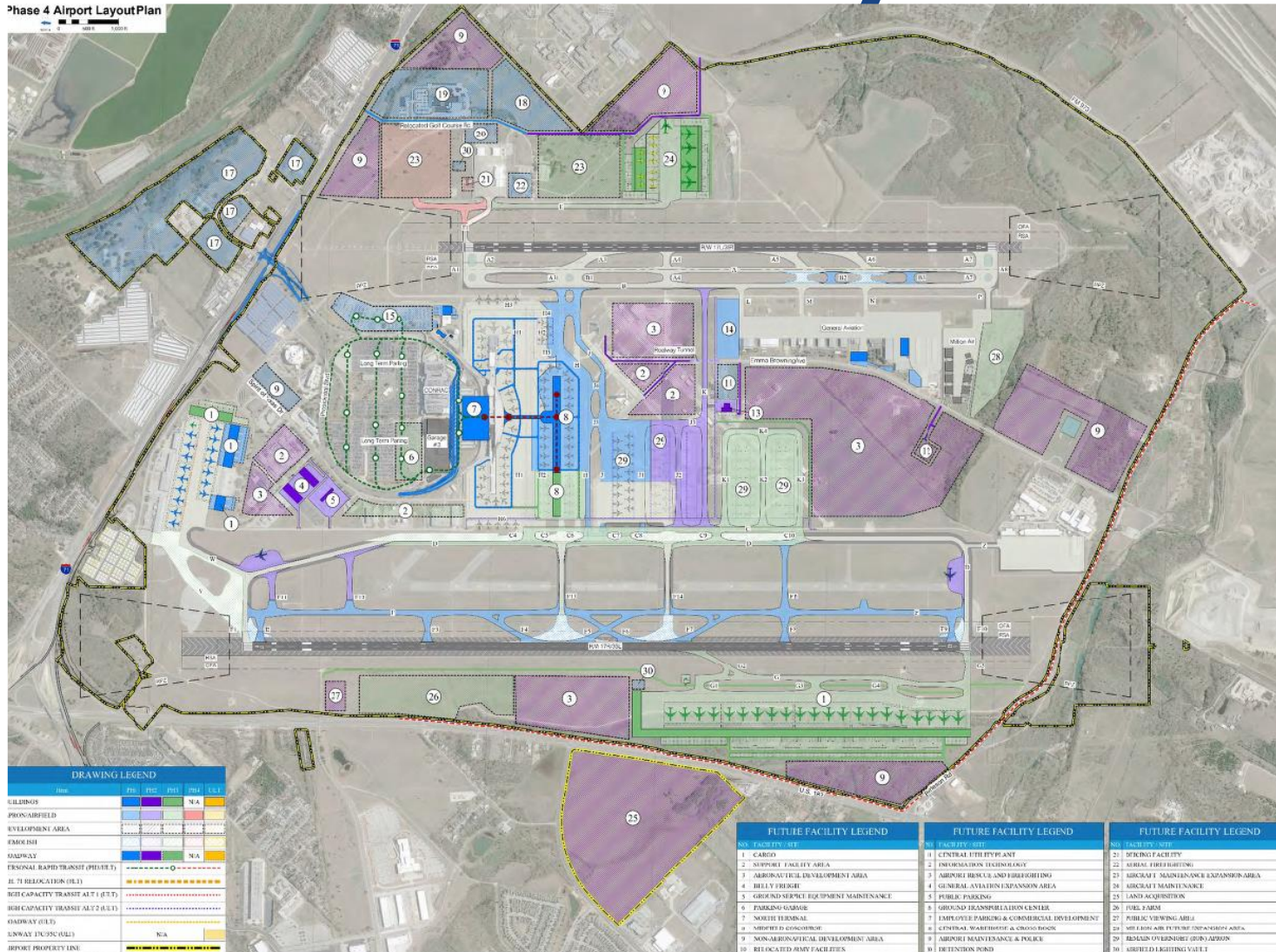
1. New 863,000 square foot North Terminal Building for passenger processing (ticketing, security and baggage)
2. New North Terminal entrance roadway ramps and curbside (2 levels) with a separate passenger level between the new North Terminal and parking garage/CONRAC
3. New 803,000 square foot 20-gate Midfield Concourse, aircraft apron, and hydrant fueling system
4. Elevated passenger bridge connection between the Barbara Jordan Terminal and Midfield Concourse
5. New airport entrance roadway intersection with SH 71 (Braided Left Turn)
6. New ADG-VI Taxiway 'D' parallel to existing Runway 17R-35L
7. New runway 17R-35L rapid exit taxiways
8. Various new ADG-V taxiways and taxilanes (lighting and signage)
9. New Remain Overnight (RON) aircraft apron area
10. GA expansion apron, hangers and auto parking (3<sup>rd</sup> party development)
11. New Aerial Firefighting facility adjacent to TxDOT Aviation (3<sup>rd</sup> party development)
12. New Central Warehouse and Cross Dock facility adjacent to Golf Course Road
13. Relocation of Golf Course Road (Phase 1)
14. Expansion of the existing Catering facility (3<sup>rd</sup> party development)
15. Expansion of the existing north Central Utility Plant
16. **New Fuel Farm on the west side of Runway 17R-35L (3<sup>rd</sup> party development)**
17. New east and west Airfield Lighting Vaults
18. New Employee Parking north of SH 71
19. Expansion of the North Cargo facilities (3<sup>rd</sup> party development)
20. New south Central Utility Plant
21. Miscellaneous utility upgrades
22. Miscellaneous non-aeronautical development area for commercial development (3<sup>rd</sup> party development)



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# AUS Phase 4 Layout Plan



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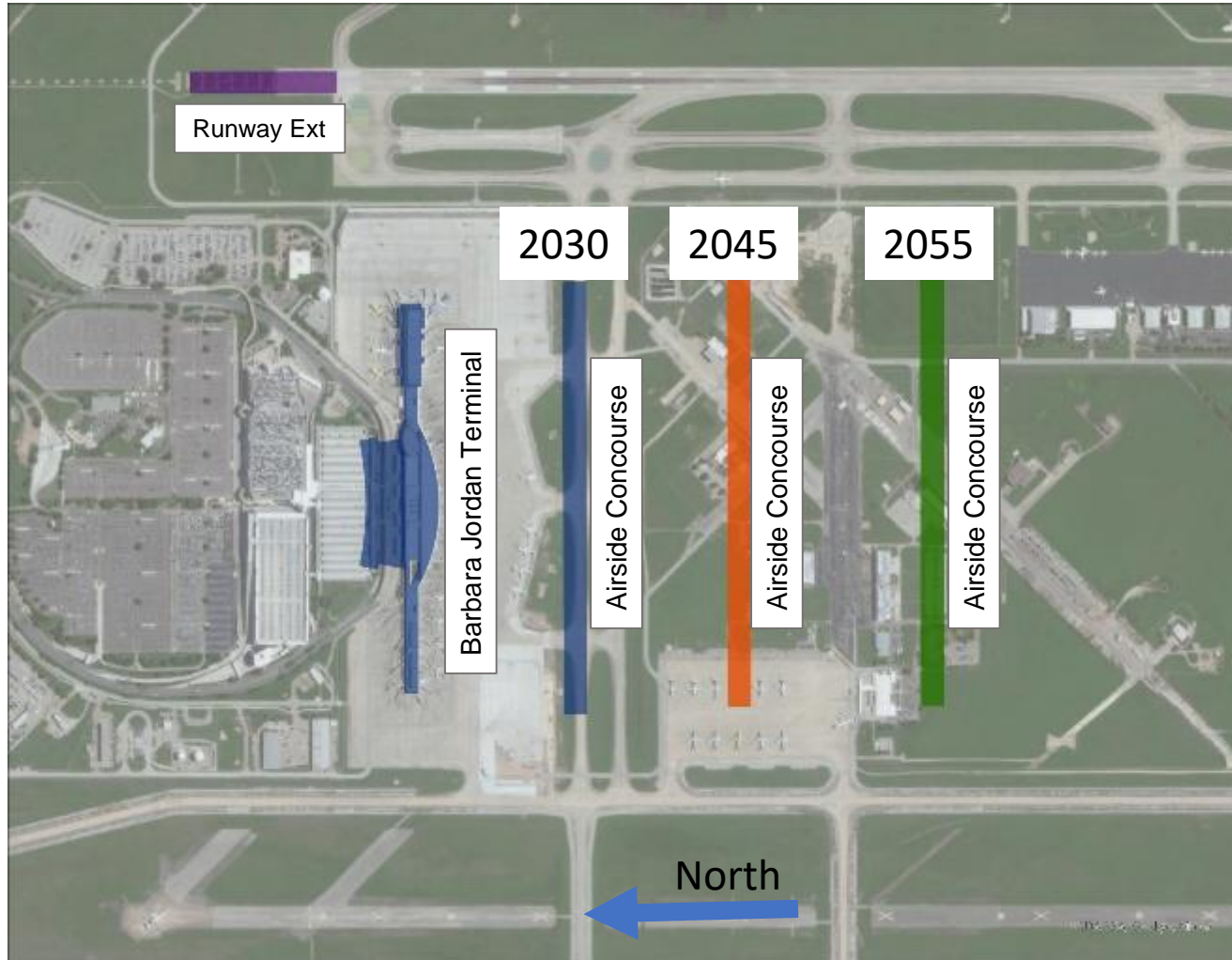
# Airport Uses & Site Selection



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# Future Long Term Development

AUS 60 Million Annual Passengers



- Protect the Long Term Economic Benefits that are derived from Airport Operations
- Runway Extension – International Connectivity
- Maximize the Property for Long Term Passenger Growth for Central Texas



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# Project Management Overview

**Environmental  
Safety & Security  
City of Austin Site Permit**

# Federal, State & Local Approvals Obtained

- Federal

- AUS Master Plan - Airport Layout Plan in March 2019
  - Community outreach – 4 public meetings, yard signage, media and news paper, social media, website
- FAA National Environmental Policy Act Environmental Assessment April 2020
- Spill Prevention Control and Counter Measure Plan
- Facility Response Plan (spill response)
- Construction Safety Phasing Plan (FAA)

- State

- Texas Pollutant Discharge Elimination System (Storm Water Permits for construction and operations)
- Hydrostatic Test General Permit (underground piping)
- Air Permit by Rule
- Above ground storage tank notification
- TXDOT HWY 71 access permit

- City

- Local building permits (site Development, building, electric, mechanical, plumbing, fire suppression & wastewater)
- Austin Fire Department Hazardous Materials Storage Permit
- Third party lease agreement



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# Project Management, Safety and Security

AUS Fuel Company, LLC owns and manages commercial airline fuel infrastructure at AUS

- Security – Confidential information due to TSA 1542 regulations
- Safety & Security
  - Staffed 24/7
  - Security and CCTV system
  - Safety and security lighting
  - Security controlled access gates and 10-foot fencing that exceeds FAA/TSA standards
  - High and low level sensors and alarms
  - Secondary Spill Containment System with liner
  - Fire fighting equipment installed



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# Burns & McDonnell / Jet-A Fuel

- Burns & McDonnell
  - Aviation Jet-A Fuel Facility Leader
  - The past 5 years alone have designed & built
    - Larger fuel facilities at Philadelphia, St. Louis and Tucson
    - Similar sized projects in Honolulu, San Diego, Portland, Seattle, Phoenix, Minneapolis- Saint Paul and Milwaukee
- Jet-A Fuel
  - 60+ Years
  - Low Volatility
  - At normal temperatures
  - Gives off very little vapor
  - Does not ignite easily



# Facility Layout & Environmental Controls



# Typical Visual

BURNS & MCDONNELL





# Austin Visual

BURNS  MCDONNELL



Security

BURNS  MCDONNELL



AUSFUEL  
COMPANY

# Airport Information

General Airport Information



[AustinTexas.gov/Airport](https://austintexas.gov/Airport)

Department of Aviation Environmental Affairs



[AustinTexas.gov/Department/Environmental-Responsibility](https://austintexas.gov/Department/Environmental-Responsibility)

For further information please contact:  
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# Questions & Answers

Thank you



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