

INDUSTRY DAY



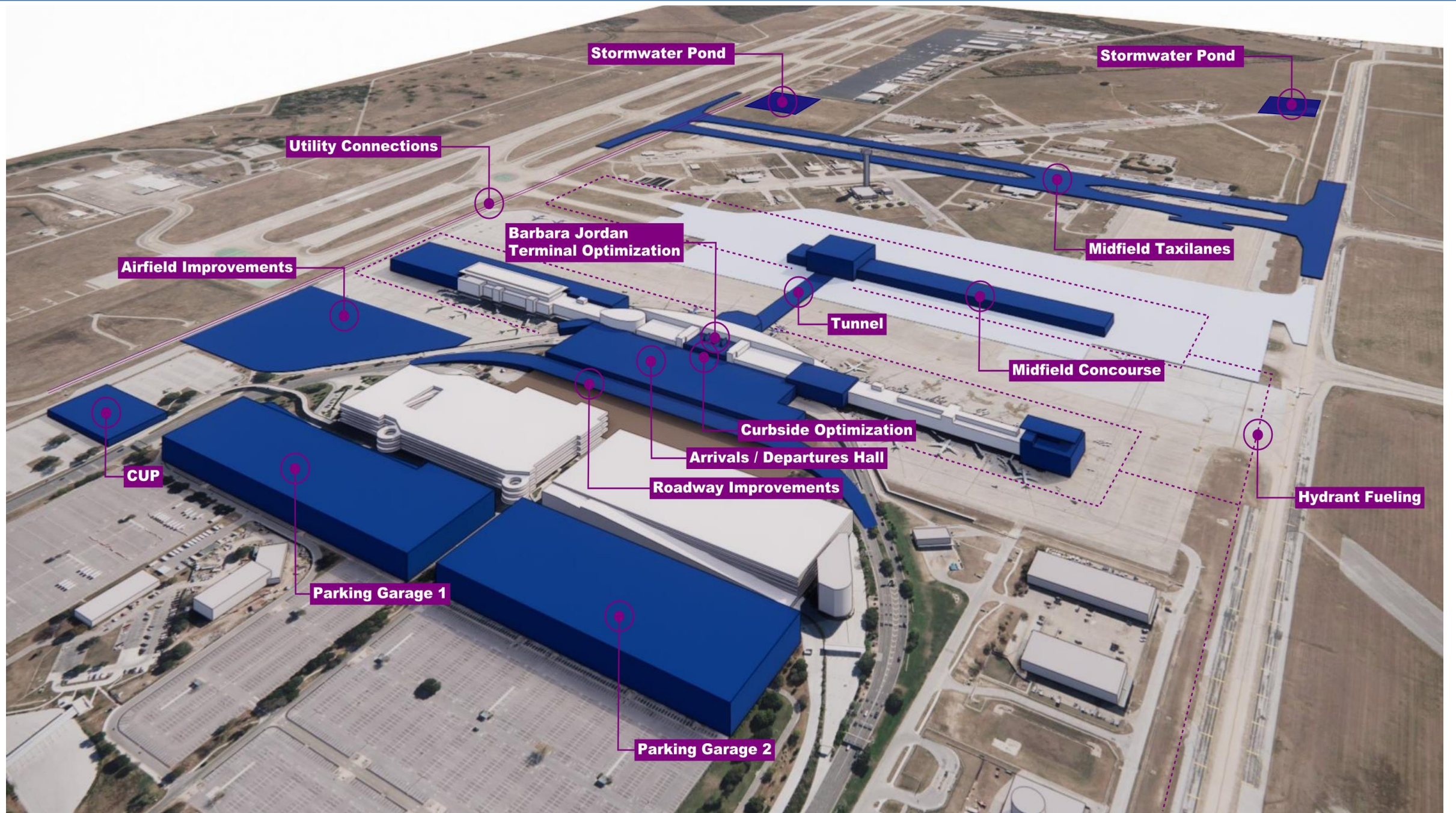
Upcoming Projects: Midfield Concourse and Tunnel

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Stormwater Pond

Stormwater Pond

Utility Connections

Barbara Jordan
Terminal Optimization

Airfield Improvements

Midfield Taxilanes

Tunnel

Midfield Concourse

Curbside Optimization

Arrivals / Departures Hall

Roadway Improvements

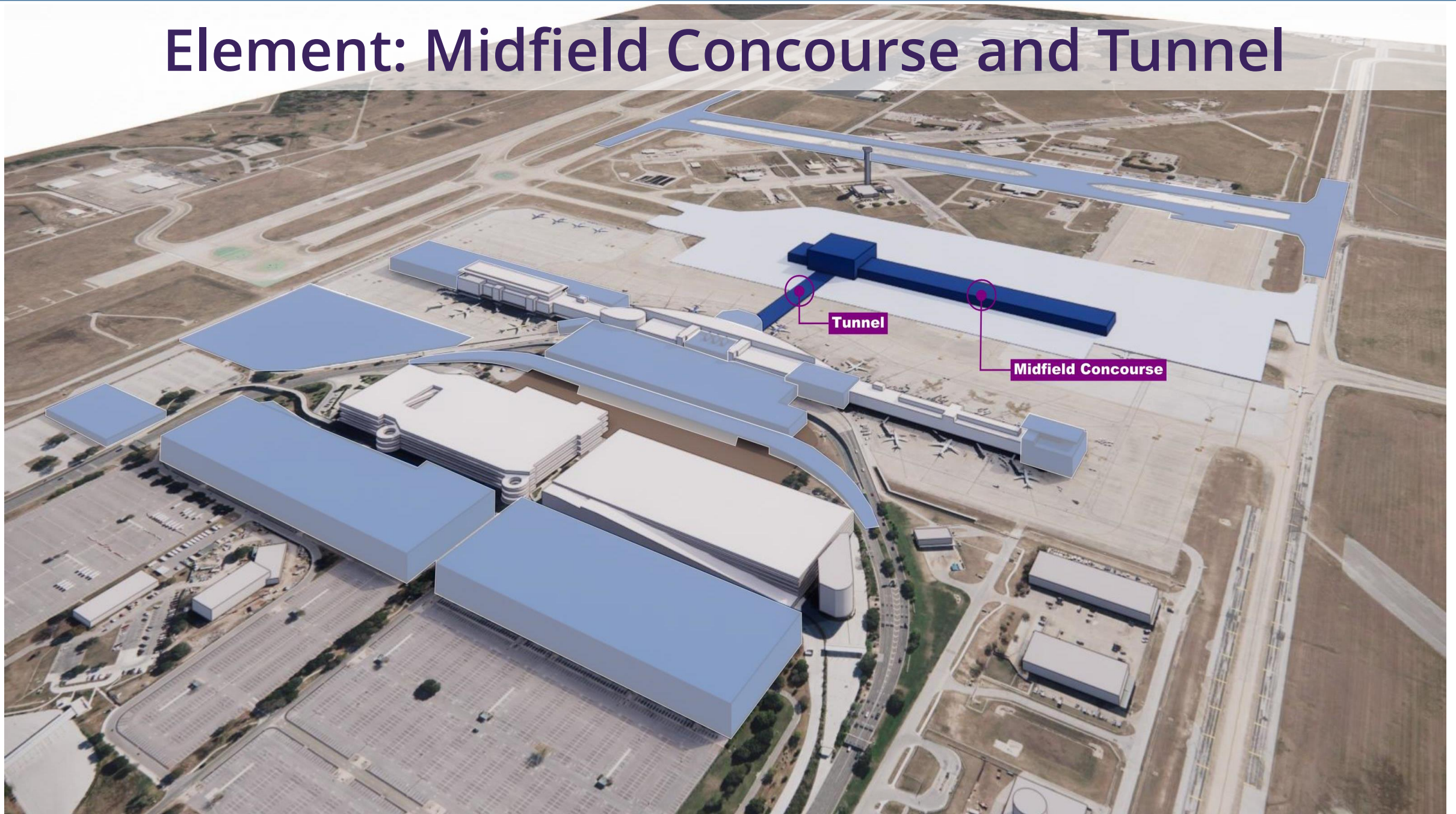
Hydrant Fueling

CUP

Parking Garage 1

Parking Garage 2

Element: Midfield Concourse and Tunnel



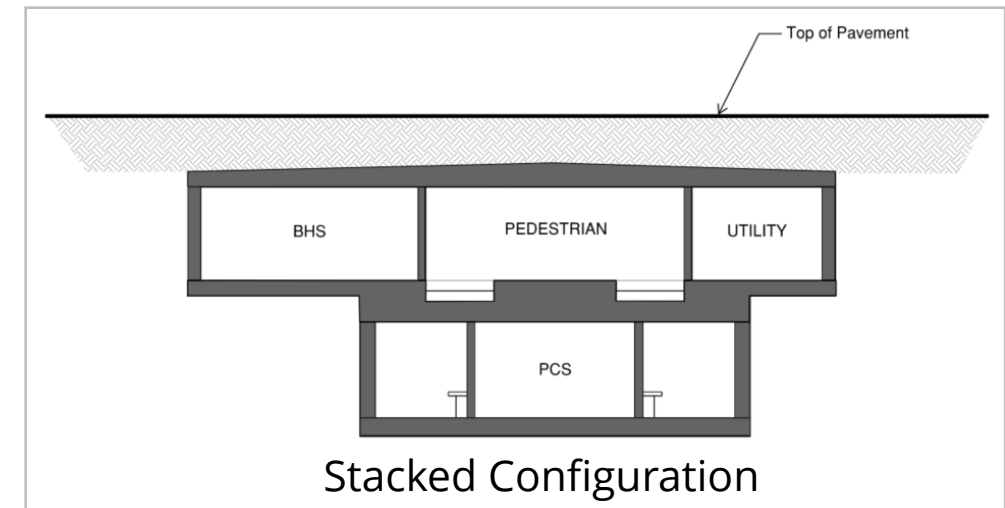
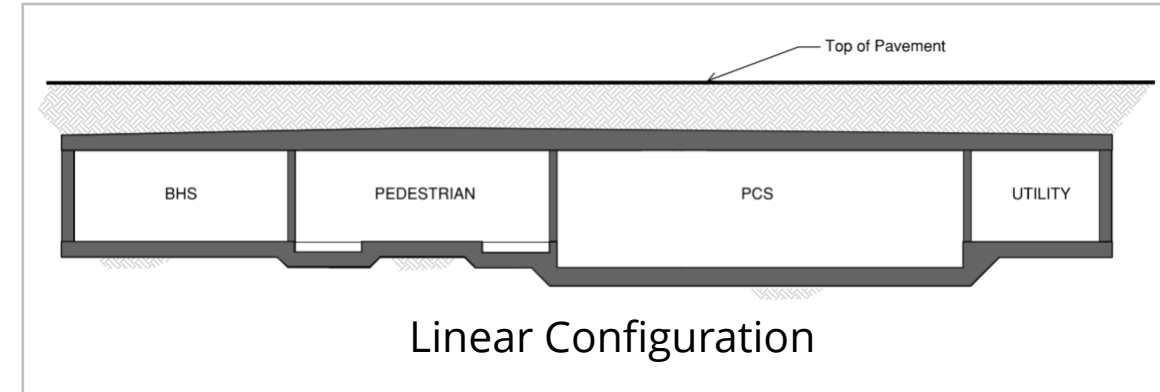
Scope: Midfield Concourse – Phase 1

- Twenty domestic contact gates:
 - Early delivery of up to six gates
 - Solutions for passenger/baggage transportation to early gates
 - Future ability to expand concourse and add gates
- Vertical transportation node down to connector tunnel
- Baggage handling system to support concourse operations
- Utilities - including special systems
- Temporary cooling and heating



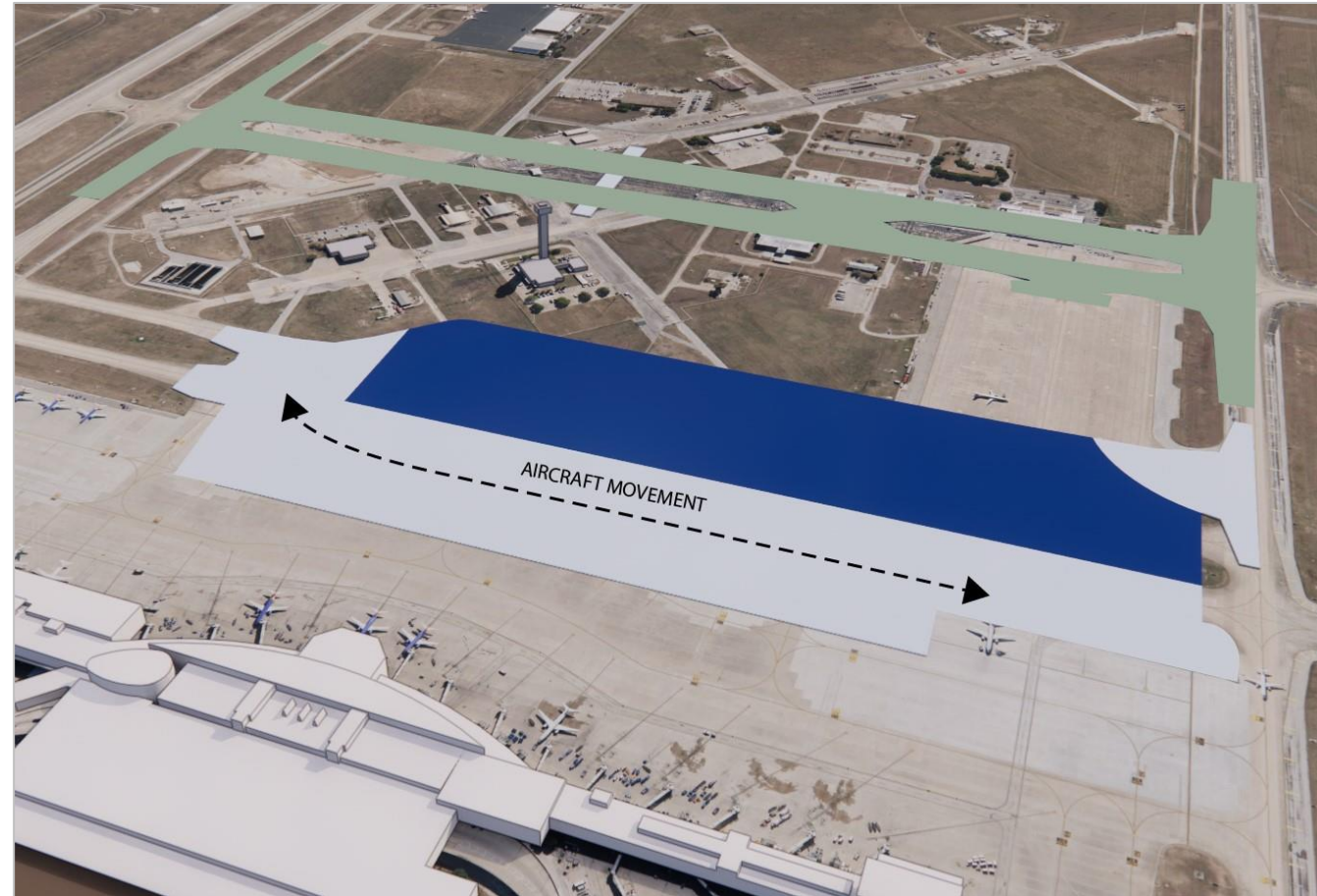
Scope: Connector Tunnel

- Tunnel Includes the following cells:
 - Pedestrian corridor (with moving walkways)
 - Utilities
 - Wet and dry utilities
 - Mechanical/electrical support spaces
 - Baggage handling system
 - Inbound and Outbound ICS baggage system
 - BHS support spaces
 - Passenger conveyance system (shell only)
- Ability to extend to future concourses
- Close coordination with Barbara Jordan Terminal Interface project by others



Scope: Aircraft Apron

- Early delivery of apron pavement
 - Maintain cross-field aircraft flow
 - Create additional remain overnight (RON) parking
- New aircraft apron around concourse
- Underground utilities
 - All major utilities and drainage
 - In-pavement fueling system (by others)



Delivery Method

Progressive Design-Build

- Reasons for choosing delivery method:
 - Shorter procurement period
 - Design and construction teamwork
 - Speed to delivery
 - Innovation
 - Reduced amount of owner resources



Keys to Winning

- Understanding the importance of meeting schedule – with examples
- Past success of the design and construction team partnership
- Cohesiveness of the team members
- Collaboration with owner and stakeholders
- Relevant case studies on similar type and scale of projects
- Commitment to developing and fostering growth of the local workforce
- Partnership with MBE/WBE/DBE firms
- Safe and environmentally compliant delivery of similar projects
- Innovative and creative solutions to construction challenges



Innovation

- Design and construction partnering that promotes MBE/WBE/DBE leadership
- Strategies for the utilization and development of the local workforce
- Design with the capability of adding future gates (possibly by others)
- Speed to delivery (early packages / early gates / new ideas)
- Unique tunnel construction methods that reduce impacts to airport operations
- Sustainable, inclusive design that reflects Austin's character and culture
- Designs that reduce lifecycle costs
- Signature interior design that maintains the AUS Way
- Creative solutions to on-going supply chain challenges



Challenges

- The need for additional gates as soon as possible
- Transportation solution for passengers to early gates (bussing, other?)
- Providing all required systems / utilities for early gates
- On-going supply chain issues
- Workforce supply and development
- Bonding capacity
- Coordinating the installation of in-pavement fueling system with a 3rd party contractor
- Unknowns related to AUS being located on an old Air Force Base
- Undefined soil, groundwater and environmental conditions



Challenges

- Maintaining cross field aircraft movement
- Maintaining required Aircraft Rescue and Fire Fighting (ARFF) access during construction
- Cranes heights and requirements to maintain sight lines for FAA tower
- Construction access and coordination with on-going midfield taxiway project
- Different periods/phases of airside and landside construction
- Employee/worker transportation, including necessary security screening (as needed)
- Responsible for establishing project offices, contractor staging, parking and batch plant



Next Steps

- Program Definition Document (PDD) development
 - The PDD will be used as the Design Criteria Manual (DCM) for procurement of the progressive design-build team.
 - Will be up to 15% design – Not a completely developed concept
 - Start of procurement - 1Q 2024
- Establish MBE/WBE/DBE goals
 - Prior to procurement
- AUS Standards publish dates
 - AUS Design Standards Manual: September 2023
 - AUS Sustainability Requirements: August 2023



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Questions

Save the Date – Fall Industry Day
November 9, 2023*

*Date changed since original presentation