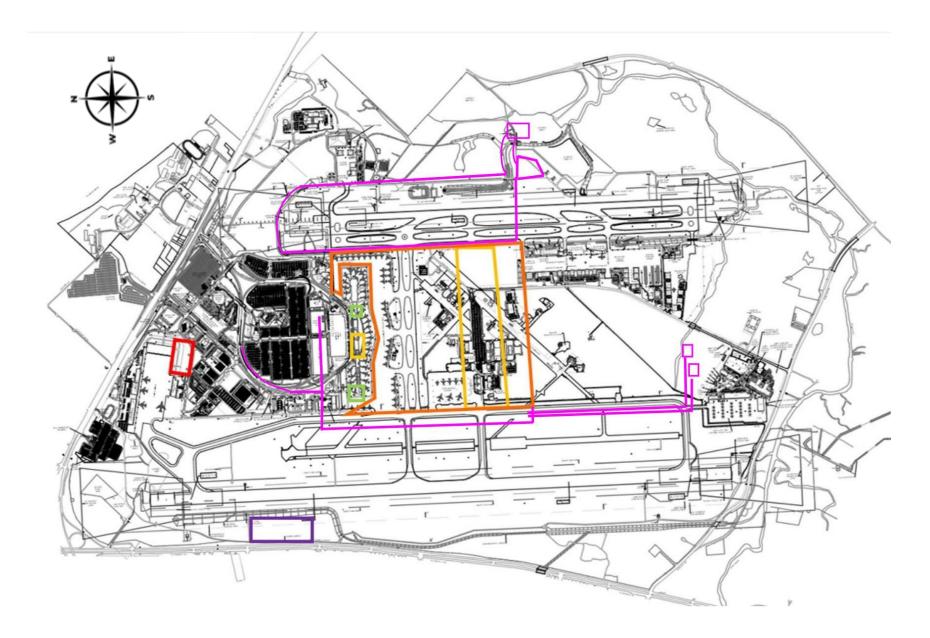
# Airport Expansion and Development Program (AEDP) Active Projects Update

Airport Advisory Commission, February 2024 Lyn Estabrook – Deputy Chief Development Officer







### LEGEND

- AEDP Airfield Infrastructure – Midfield Taxiways
- AEDP Building Demolition (locations shown on slide)
- Cargo Development East
- West Gates Expansion / Gate
   13
- Midfield Investigations & Vehicle Checkpoints
- Existing Terminal Baggage Handling System Upgrades
- AUS Fuel Facility Phase 2
   (Tenant led, AUS Fuels
   Project)
  - Utility Infrastructure Campus-Wide UICW

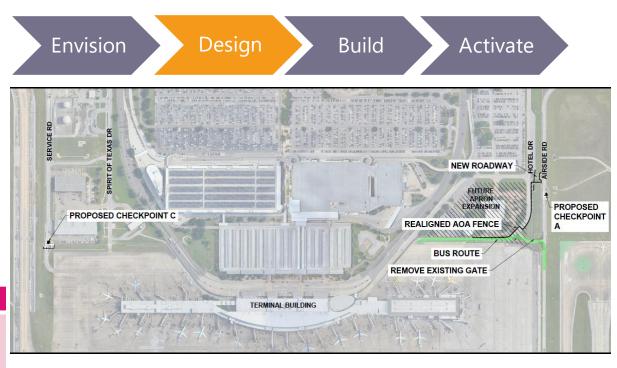
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# Midfield Investigations and Vehicle Checkpoints

Champion Sponsor – Towanda Cordon Project Manager – Torrey Henson Project number – 6000.121

**Description**: This project will expand guard-shacks at two vehicle Checkpoints, Alpha and Charlie, to allow efficient and secure access to the Aircraft Operations Area. Additionally, this project includes scope to investigate the locations for midfield taxiways. Technical investigations of the airfield includes surveys, geotechnical borings, and other site investigations.

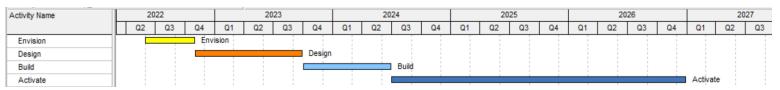
Risk	Mitigation
Checkpoints A & C Design	Work with project teams and stakeholders prior to
underway. The Aircraft Operations	construction beginning. Provide alternative routes to
Area must remain secure. All activities	access the Aircraft Operations Area and increase
remain operational during construction	security awareness to contractors during construction
phase.	phase.



%MWBE:<br/>Design: 73%Delivery Methods:<br/>Design: CorganConstruction: TBD<br/>%Construction: DBB

Project Budget: Spend-To-Date: \$2,783,706 Obligated: \$3,188,436 Total Budget: \$6,300,000

**Status:** The design for both Checkpoints Alpha and Charlie have been completed and approved by AUS as of Nov 20. Consultant is currently making final revisions to Project Manual and will submit to CoA Quality Review Office for final review within the coming weeks. Submission for a COA permit is currently underway; the permit request was submitted late last month.



# AEDP Airfield Infrastructure -Midfield Taxiways

Champion Sponsor – Lyn Estabrook Project Manager – Ellen Brunjes-Brandt Project number – 13188.003

**Description**: Design and construct two parallel Midfield Taxiways with connectors and access to the maintenance ramp. The project includes bridges for vehicle access to the midfield, utility relocation, drainage improvements, demolition of existing pavements and infrastructure, new fencing, service roads and modifications to Emma Browning Rd.

**Other Notes:** This project will provide connectivity between the east and west side of the airport when the existing midfield taxiways are removed to build a second concourse.

Risk	Mitigation
Relocation of Austin Energy service line to South Terminal to enable bridge construction.	Early submission of electrical service 9/22/23

### Status:

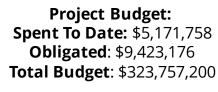
- Preliminary Design Phase Complete
- 30% Design Phase Complete
- 60% Design ongoing
  - Design Package 1: December 22, 2023 Review Underway
  - Design Package 2: January 29, 2024
- RCA to increase Design and Construction Phase services from \$8M to \$20.7M on December 13, 2023
- RCA for additional construction authority March 2024
- RCA for FAA Reimbursable Agreement February 2024

Design: 17% Construction: 11.12% C

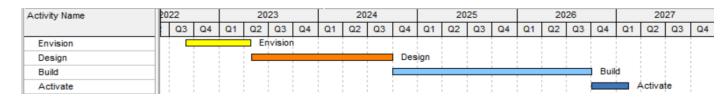
%MWBE:

Envision

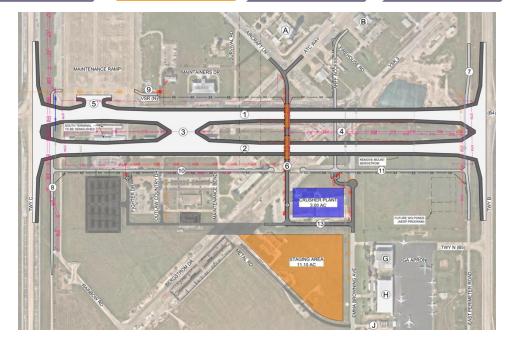
Delivery Methods: Design: RS&H Construction: Construction; Construction Manager At Risk (CMAR): Austin Bridge and Road



### **Project Schedule:**



### Activate



Build

Design

# AEDP Airfield Infrastructure – Utility Infrastructure Campus-Wide (UICW)

Champion Sponsor – Brian Long AUS Project Manager – Ellen Brunjes-Brandt Project number – 13307.001

**Description** – The Utility Infrastructure Campus-Wide (UICW) project involves the expansion or enhancement of existing and newly proposed utilities to meet the growing demands of the airport. The project encompasses utility systems including reclaimed water, storm drainage, water quality pond/deicing pond, detention pond, hydronic piping (chilled and hot water), AUS medium voltage electrical power distribution center, duct bank and electrical distribution system, redundant electrical duct banks, information technology/telecommunications duct banks, and other utility extensions that may be identified as the AEDP program progress and their seamless coordination with other AEDP facilities projects.

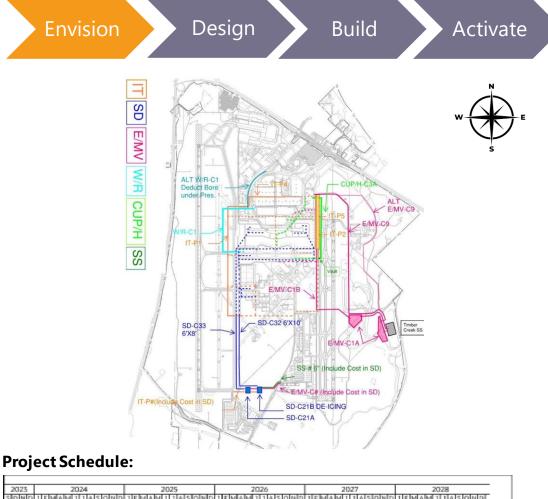
**Other Notes:** This is an enabling project for AEDP Program specifically Concourse B, AD Hall, and Central Utility Plant Relocation Projects

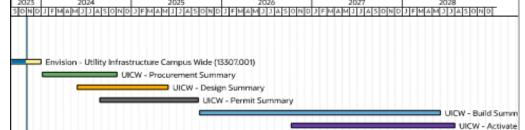
Risk	Mitigation
Unforeseen Underground UTL	Include Survey in the design scope

### Status:

- Utility Infrastructure Campus-Wide (Designer) Solicitation January 24
- Utility Infrastructure Campus-Wide (CMR) Solicitation February 24
- Concourse B & AD Hall Utility Scoping Coordination

%MWBE: Design: TBD% Construction: TBD%	Delivery Methods: Design: TBD Construction: Construction; Construction Manager At Risk (CMR): TBD	Project Budget: Spent To Date: \$0 Obligated: \$0 Total forecast Budget: \$164M
		Φ104IVI





# AEDP Airfield Infrastructure-Central Utility Plant (CUP)

Champion Sponsor – Brian Long Project Manager – Carol Stewart Project number – 13307.002

**Description**: Description: Design, construct and commission a new, appropriately sized CUP and associated Thermal Energy Storage (TES) utilizing current efficiency technology, equipment, and operational processes to provide reliable, redundant and resilient service for the existing and future AUS cooling and heating loads.

Risk	Mitigation
Changing program will require update of load calculations	Monitor size of programmed buildings

### Status:

- Deadline for submitting questions January 2, 2024
- Progressive Design Build Responses January 12, 2024





%DBE:Delivery Methods:Design: 8.21%Design: Design BuildConstruction: TBD%Construction: Design Build

Project Budget: Spent To Date: \$0 Obligated: \$485,000 Total Budget: \$170M



# West Garage – Lot B

AUS Project Lead – Robert Mercado Project Manager – Steven Latman Project number – 13308.002

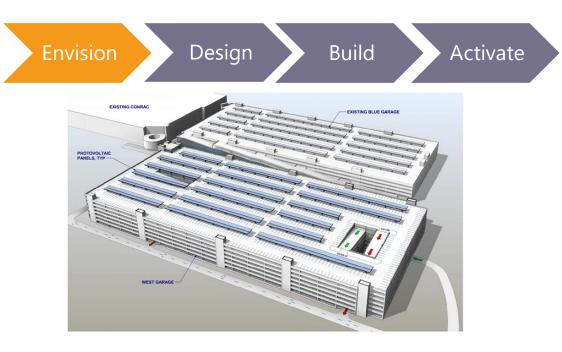
**Description**: Planning, design and construction of a multi-level parking garage with a capacity of approximately 7,700 spaces. The designated location for this garage is the current Lot B surface parking area (approx. 326,000 sf), situated directly north of the existing Blue Garage.

**Other Notes:** This project creates additional parking to parking and revenue lost due to construction and to meet future demand connected with enplanement growth forecasts associated with the addition of Concourse B

Risk	Mitigation
It is imperative to ensure close coordination between the design and construction of the garage with both ongoing and upcoming strategic projects	The project team will develop a strategic plan for a phased and staged approach to minimize disruptions to ongoing operations and activities at the Airport.

### Status:

- Project Solicitation For Design Consultant December 20, 2023
- Project Solicitation For CMAR January 22, 2024



%MWBE: Design: TBD% Construction: TBD%	Delivery Methods: Design: TBD Construction: Construction; Construction Manager At Risk	Project Budget: Spent To Date: \$0 Obligated: \$0 Total forecast Budget:
	(CMAR): TBD	\$250M



# **AEDP Building Demolition**

**Champion Sponsor** – Lyn Estabrook **Project Manager** – Ellen Brunjes-Brandt **Project number** – 13189.012

Description: Demolish 39 Buildings on South Campus that are a safety hazard, original Airforce infrastructure, no longer serve operational need for the Department of Aviation and to make way for future development. The work includes removal of the facilities to slab level and disconnection of utilities throughout the site.

Risk	Mitigation
Power to lights in the staff parking lots delayed	New trenching from meter and panel to staff parking Lot

### Status:

- Phase 3 Punchlist- ongoing
- Substantial Completion January 2024

## **Delivery Methods:** %MWBE: **Design:** Corgan **Design:** 15.8%

**Construction:** 26.87%

**Construction:** Low Bid – STR Contractors

**Project Budget: Spend-To-Date:** \$4,569,000 **Obligated:** \$5,312,000 **Total Budget:** \$9,608,000

Activity Name			20	22			20	23			20	24		2025						
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Design							💻 Desi	gn												
Build											Build									
Activate															Activate					



# **Barbara Jordan Terminal Optimization** West Gate Expansion

Champion Sponsor – Ghizlane Badawi Project Manager – Robert Mercado **Project number** – 13184.014

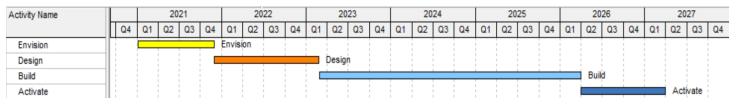
**Description**: The main expansion project will add 3 new Gates (short term) to the west end of the Barbara Jordan Terminal (BJT) and replace 12 aging boarding gates. This project will provide infrastructure needed for passenger growth, comfort, health and safety.

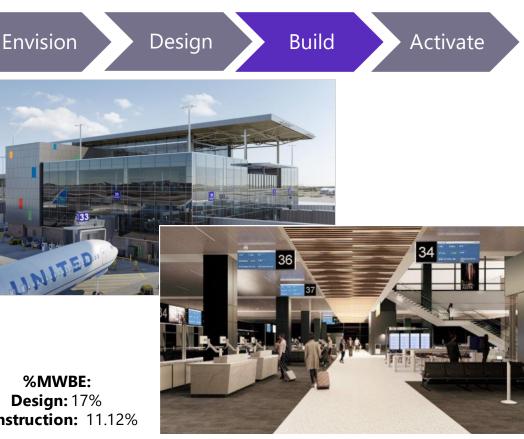
Risk	Mitigation
Coordination issues with Operations that affect construction timing and schedule.	Constant communication and notification among all stakeholders on aviation activities and project needs.

### Status:

- Construction enabling work is underway at Gates & BJT Concourse ٠
- Temporary Gate 34 and 36 are now open for use ٠
- Apron Concrete modifications underway

### **Project Schedule:**





**Design:** 17% **Construction:** 11.12%

### **Delivery Methods:**

**Design:** Page Architects (Rotation List A/E Prof Services) **Construction:** Hensel Phelps (CMR Selection)

**Project Budget:** Spent-To-Date: \$21,990,668 **Obligated:** \$137,012,510 **Total Project Cost :** \$164,399,584

# AUS Cargo Development East

Project Manager – Robert Mercado Project number – 13189.026

**Description**: A 90,000 SF facility for operators/tenants with room to expand to 99,000 SF. Includes employee parking, truck staging, drainage infrastructure, 3 aircraft parking positions.

Risk	Mitigation
Schedule delays due to installation of permanent power from Austin Energy.	Discussions with Austin Energy management to help with approvals for the work to proceed.

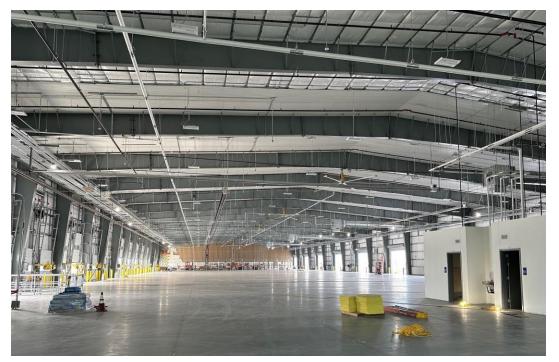
### Status:

- Installation of MEP scopes underway
- Substantial Completion estimate Spring 2024

### **Project Schedule:**

Activity Name	2	017	2018					2019					2020				20			20	22		2023				2024				
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
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%MWBE:Delivery Methods:Design: 15.8%Design: AtkinsConstruction:1.13%Construction:JE Dunn & FlintcoAnticipated Construction:7.36%

Project Budget: Spend-To-Date: \$29,443,337 Obligated: \$31,738,412 Total Budget: \$32,874,000

# Barbara Jordan Terminal Optimization Gate 13 Renovation

**Champion Sponsor** – Ghizlane Badawi **Project Manager** – Robert Mercado **Project number** – 13184.014

**Description**: The renovation of existing Gate 13 in the east end of the Barbara Jordan Terminal (BJT) to allow for more efficient bus operation and ground loading of planes on the Apron. Scope includes the installation of two escalators and a central stairway.

Risk	Mitigation
Security issues related to the exterior doors that exit onto the Apron Level.	Maintaining communication with aviation security on all issues affecting door access and security cameras.

# <image>EnvisionDesignBuildActivateImage: Second seco

### Status:

 Gate 13 Hold Room and Hardstands are Substantially Complete and Open %MWBE<br/>Design: 3.15%Delivery Methods:<br/>Design: Page Architects (RL)Project Budget:<br/>Spend-To-Date: \$3,554,988Design Anticipated: 20.46%<br/>Construction: 2.23%Design: Page Architects (RL)<br/>Construction: Alpha Bldg. (RL JOC)Obligated: \$3,946,803<br/>Total Budget: \$4,000,000



# AUS Fuel Facility Upgrade Package 2

**Sponsor – Tenant Project** - Airline Fuel Consortium **AUS Project Manager –** David Smythe-Macaulay **Project number –** F7003.08

**Description**: Project is led by tenant AUS Fuels (Airline Fuel Consortium). Design and build a new Jet A fuel storage facility with two underground transfer lines connecting to the existing facility.

Risk	Mitigation
FAA required monitoring of telecommunications installations alongside FAA cables. FAA process may delay completion.	Request FAA assign someone to monitor installation immediately after the agreement is executed.
Status	

**Project Schedule:** 

### Status:

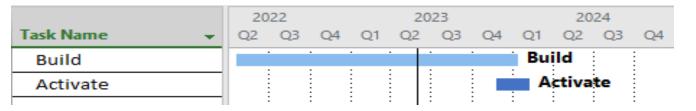
- Permanent power is now available to facility
- Started renovations to the Metropolis & HWY 183 intersection
- Continue building concrete dike walls around tanks
- Continuing to fabricate and install piping and pumps
- Continue with site grading and roads
- Complete Vehicle Service Road
- Project early completion is anticipated for February 2024
- Monthly construction updates available online SpeakUpAustin.org/AUSFuel

# Envision Design Build

### %MWBE Goal: 6.6% Participation to Date: 4.60% Anticipated Participation: 5.10%

Delivery Methods: Project Budget: Design-Build Contractor: ~\$64M Burns & McDonnell

Activate



## Existing Terminal Centralized Baggage Handling System Upgrades

Sponsor – Brian Long AUS Project Manager – Rohini Kumarage Project number – 5415.112

**Description** – Design build a new centralized baggage handling system (BHS) to increase screening capacity, address existing operational concerns, and upgrade to 30 Million Annual Passengers processed. Rebased line scope for Design of infill and bump out per AUS executive team and airlines in December 2022

Risk	Mitigation
Construction material shortage and lead/delivery times. Schedule extension due to redefined scope at the West Infill scope, may added 12 months. The EDS equipment delivery date is being coordinated with TSA	Ordering all equipment and materials early, tracking material pricing and procurement/delivery times. Ensured Phase 1 not impacted. West Infill release of 30% design to finalize the end product. Team is evaluating testing schedule to accommodate the delivery of the EDS machines.

### **Delivery Method:**

Design-Build **Contractor:** Whiting-Turner **Designers:** Gensler, VTC BHS 
 Project Budget:

 Spend-To-Date:
 \$ 84,929,921

 Obligated:
 \$142,497,539

 Total Budget:
 \$238,000,00

**%MWBE** Construction and Design: 5.52% Anticipated: 10%

### Project Schedule:

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Activity Name		2017				201		2018			2	019				20	2020			2021			2022			2023				202					202		025			1	2026	6				
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### Status:

out).

Tenant/Enabling - All Tenants have been relocated.

**Phase 1** – 100% Baggage Handling System Design Approved by TSA, Conveyor Installation is 95% in Bag Claim Ceiling, 100% in the CBIS/CBRA, and 75% in the Apron. Electrical Installation is 98% CBIS/CBRA with device terminations. Conveyor start Up and programing in progress.

**Phase 2** –West Infill/Bump out Concept Planning redefined per AUS Exec and Airlines due to increased passenger demand. Additional funding was approved from AAC and Council. BHS CBIS /CBRA was approved by TSA. 60% design was submitted and reviewed by AUS. Permits submissions for early works site-work and demolition have been submitted and approved. Contractor for sitework has mobilized and has cleared the site. Underground utilities have commenced. **Budget:** Phase 1 on track, Phase 2 pending 100% drawings (redesign of bump

# Thank You!

