

Airport Expansion and Development Program (AEDP) Active Projects Update

Airport Advisory Commission, January 2024

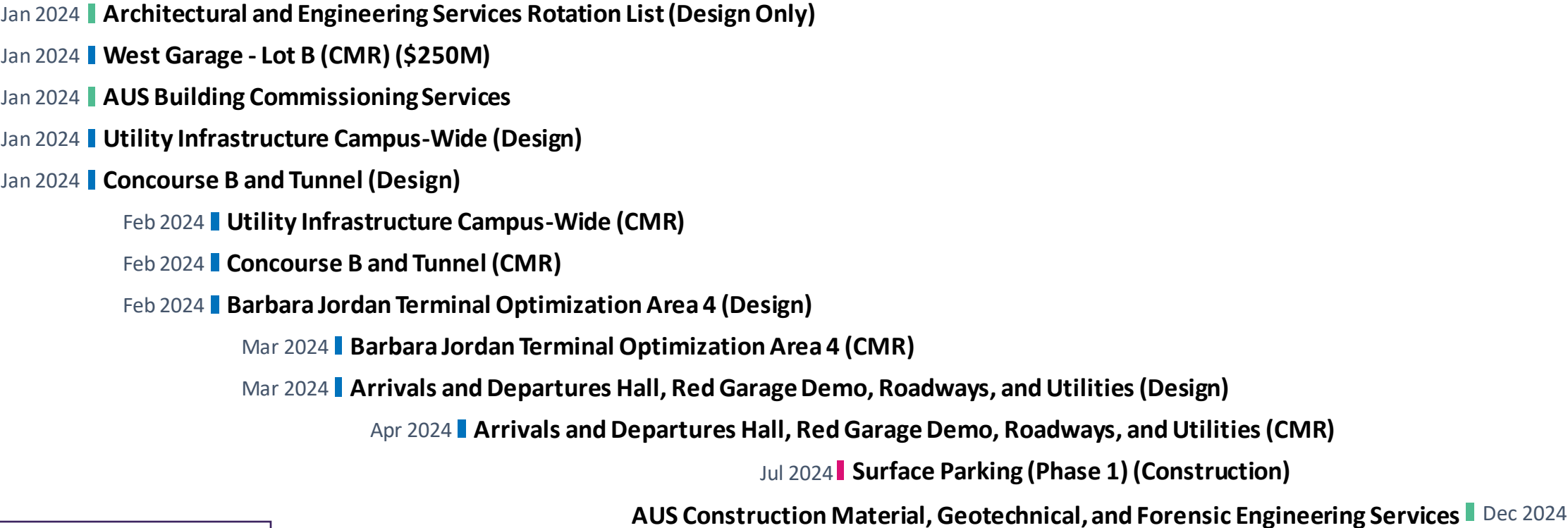
Lyn Estabrook – Deputy Chief Development Officer



**JOURNEY
WITHAUS**

12-Month Procurement Schedule

Anticipated advertisement dates



LEGEND

■

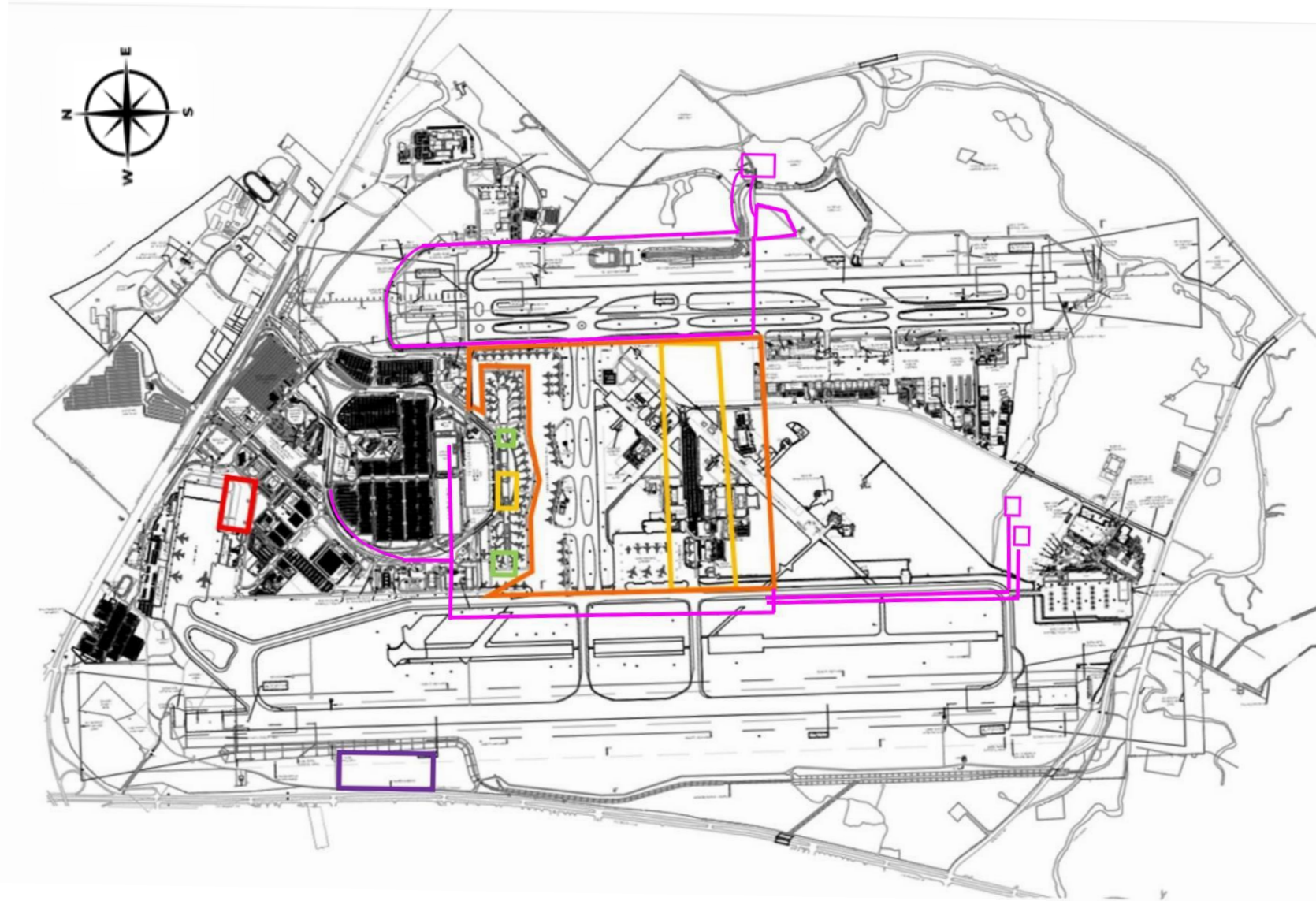
Request for Qualifications

■

Alternative Delivery Method

■

Invitation for Bid



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**

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

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.

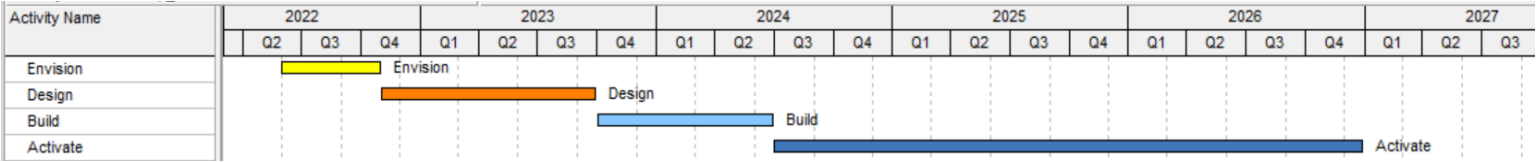


%MWBE:
Design: 73%
Construction: TBD %

Delivery Methods:
Design: Corgan
Construction: DBB

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

Project Schedule:



AEDP Airfield Infrastructure - Midfield Taxiways

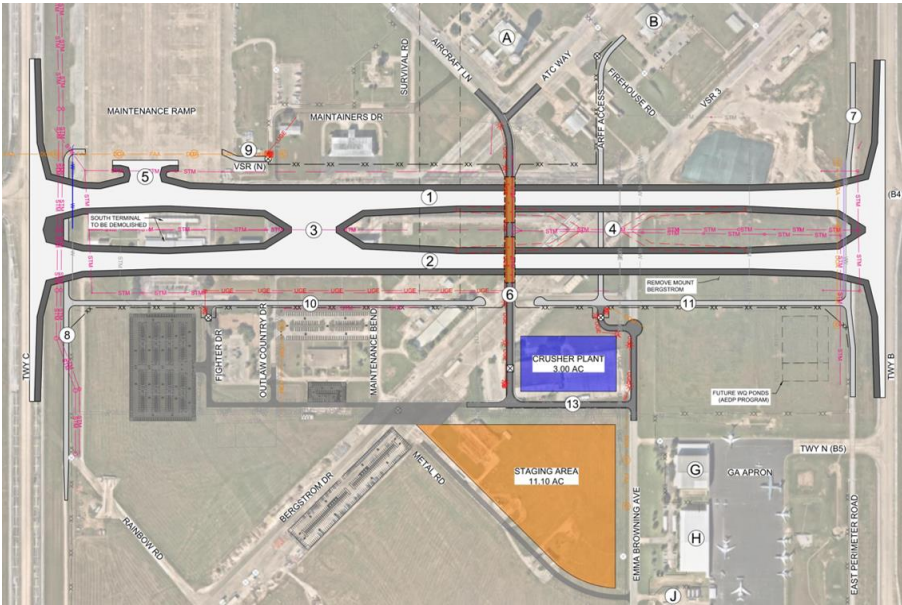
Champion Sponsor – Lyn Estabrook
Project Manager – Ellen Brunjes-Brandt
Project number – 13188.003

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

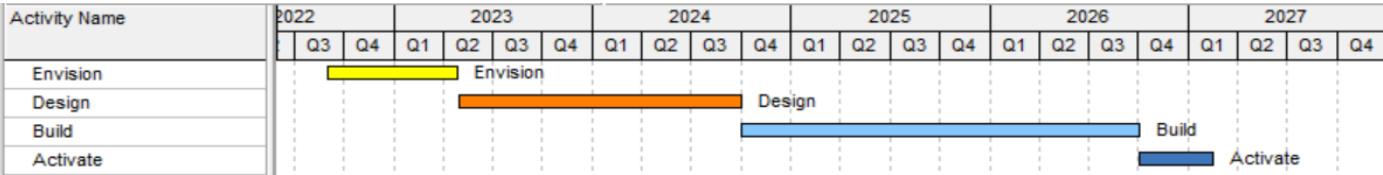


%MWBE:
Design: 17%
Construction: 11.12%

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

Project Budget:
Spent To Date: \$5,171,758
Obligated: \$9,423,176
Total Budget: \$323,757,200

Project Schedule:



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

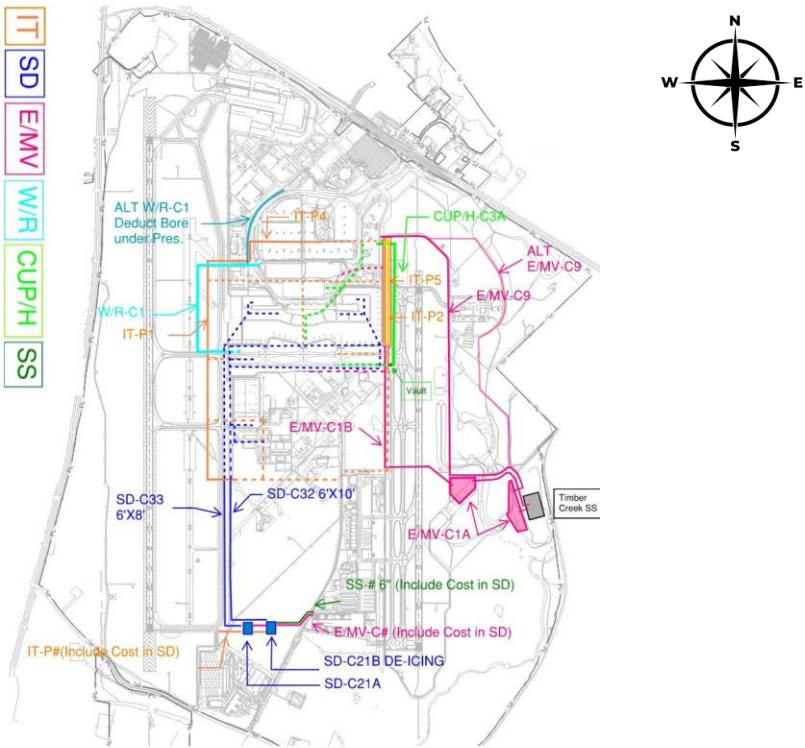
Status:

- Utility Infrastructure Campus-Wide (Designer) Solicitation **Jan24**
- Utility Infrastructure Campus-Wide (CMR) Solicitation **Feb24**
- Concourse B & AD Hall Utility Scoping Coordination

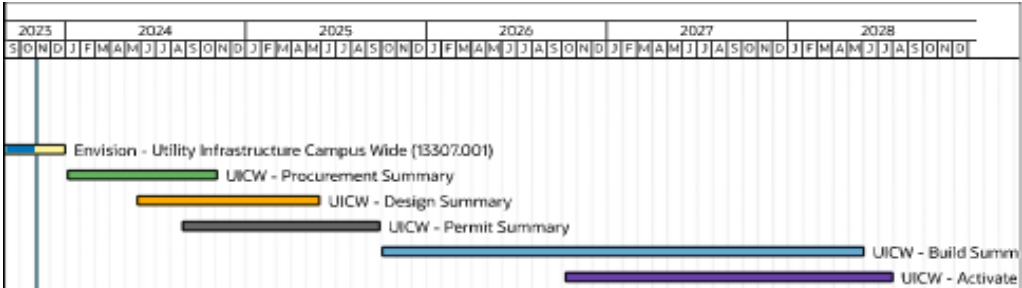
%MWBE:
Design: TBD%
Construction: TBD%

Delivery Methods:
Design: TBD
Construction: Construction;
Construction Manager At Risk
(CMR): TBD

Project Budget:
Spent To Date: \$0
Obligated: \$0
Total forecast Budget:
\$164M



Project Schedule:



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

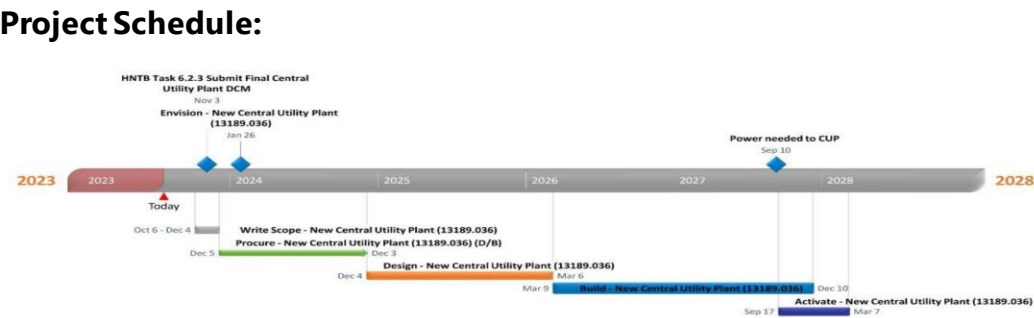
- Status:**
- Deadline for submitting questions **02Jan24**
 - Progressive Design Build Responses **Due 12Jan24 2:00 PM**



%DBE:
Design: 8.21%
Construction: TBD%

Delivery Methods:
Design: Design Build
Construction: Design Build

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



West Garage – Lot B

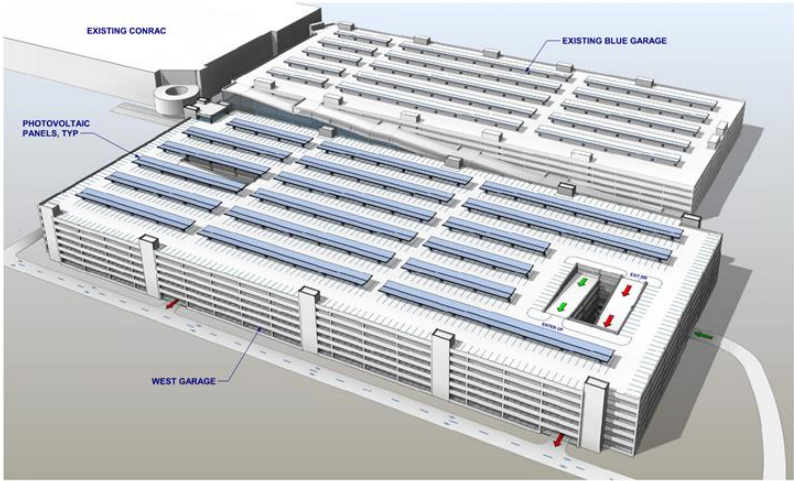
AUS Project Lead – Robert Mercado
Project Manager – Steven Latman
Project number – 13308.002

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

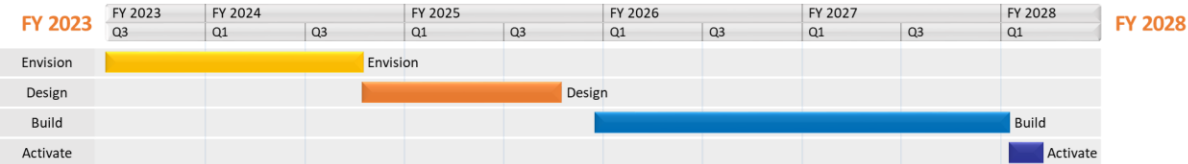


%MWBE:
Design: TBD%
Construction: TBD%

Delivery Methods:
Design: TBD
Construction: Construction;
Construction Manager At Risk
(CMAR): TBD

Project Budget:
Spent To Date: \$0
Obligated: \$0
Total forecast Budget:
\$250M

Project Schedule:



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 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

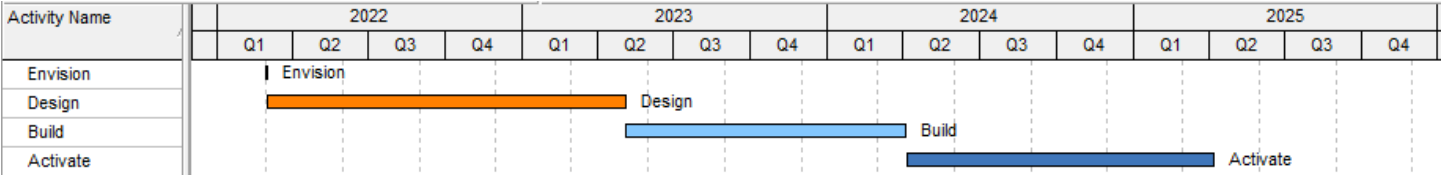


%MWBE:
Design: 15.8%
Construction: 26.87%

Delivery Methods:
Design: Corgan
Construction: Low Bid – STR Contractors

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

Project Schedule:



Barbara Jordan Terminal Optimization West Gate Expansion

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

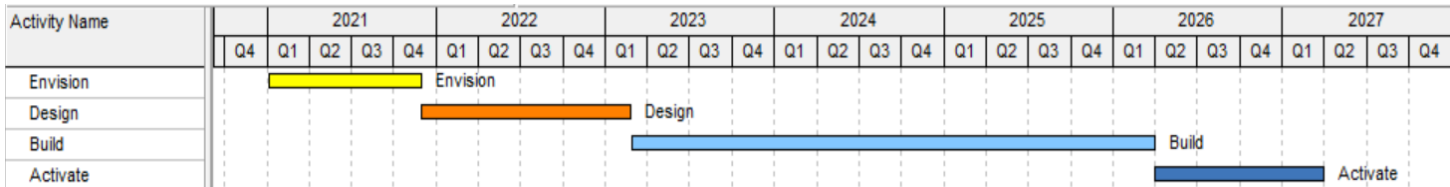
Description: The main expansion project will add 3 new Gates (short term)to the west end of the Barbara Jordan Terminal (BJT) and replace 12 aging boarding gates. This project will provide infrastructure needed for passenger growth, comfort, health and safety.

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.
- Temporary Gate 34 and 36 is now open for use.
- Apron Concrete modifications underway.

Project Schedule:



%MWBE:
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 : \$164,399,580

AUS Cargo Development East

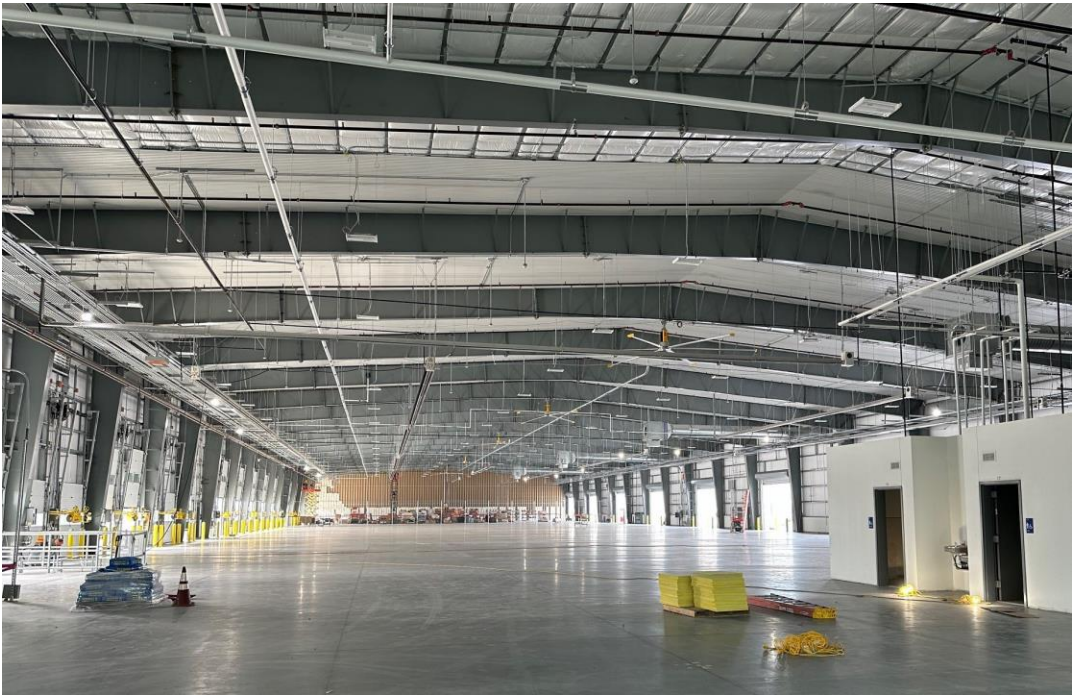
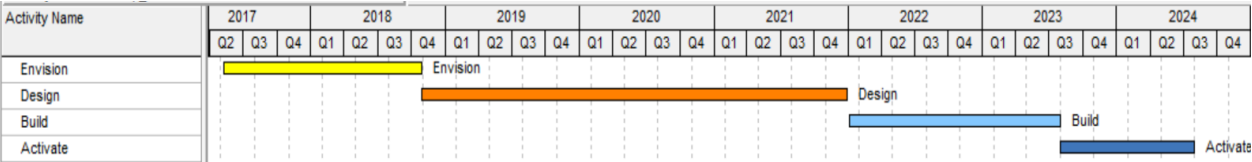
Project Manager – Robert Mercado
Project number – 13189.026

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 late-December 2023.

Project Schedule:



%MWBE:

Design: 15.8%

Construction: 1.13%

Anticipated Construction: 7.36%

Delivery Methods:

Design: Atkins

Construction: JE Dunn & Flintco

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

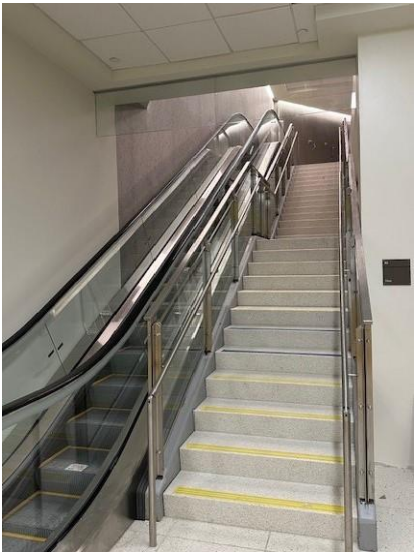
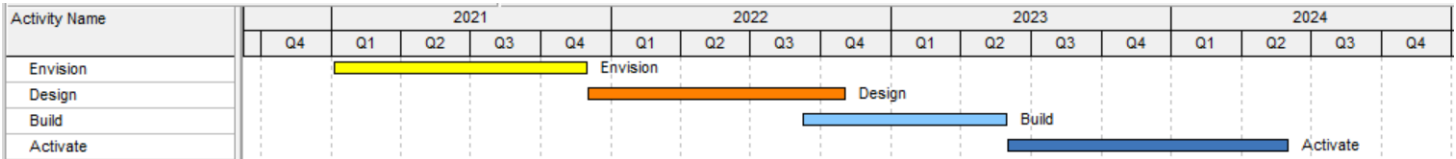
Description: The renovation of existing Gate 13 in the east end of the Barbara Jordan Terminal (BJT) to allow for more efficient bus operation and ground loading of planes on the Apron. Scope includes the installation of two escalators and a central stairway.

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.

Status:

- Gate 13 Hold Room and Hardstands are Substantially Complete and Open.

Project Schedule:



%MWBE
Design: 3.15%
Design Anticipated: 20.46%
Construction: 2.23%
Construction Anticipated: 22.33%

Delivery Methods:
Design: Page Architects (RL)
Construction: Alpha Bldg. (RL JOC)

Project Budget:
Spend-To-Date: \$3,554,988
Obligated: \$3,946,803
Total Budget: \$4,000,000

AUS Fuel Facility Upgrade Package 2

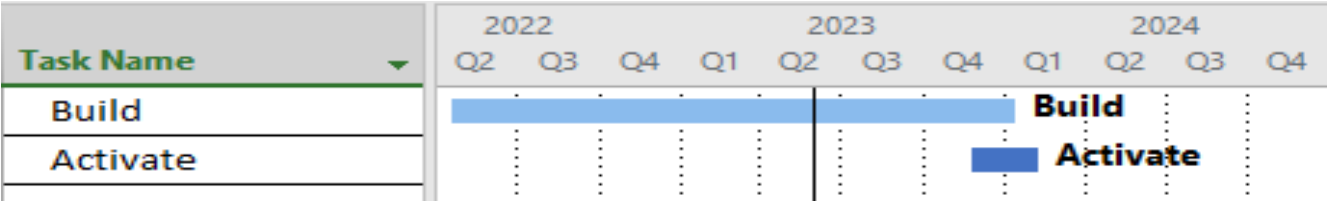
Sponsor – Tenant Project - Airline Fuel Consortium
AUS Project Manager – David Smythe-Macaulay
Project number – F7003.08

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:**
- 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.
 - Summer Community Meeting series summary report available online – SpeakUpAustin.org/AUSFuel

Project Schedule:



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



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

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 West 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 add 12 months.	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.

%MWBE
Goal: 5.52%
Anticipated
Participation: 10%

Delivery Method: Design-Build
Contractor: Whiting-Turner
Designers: Gensler, VTC BHS

Project Budget:
Spend-To-Date: \$74,137,457
Obligated: \$132,022,130
Total Budget: \$238,000,00



Status:

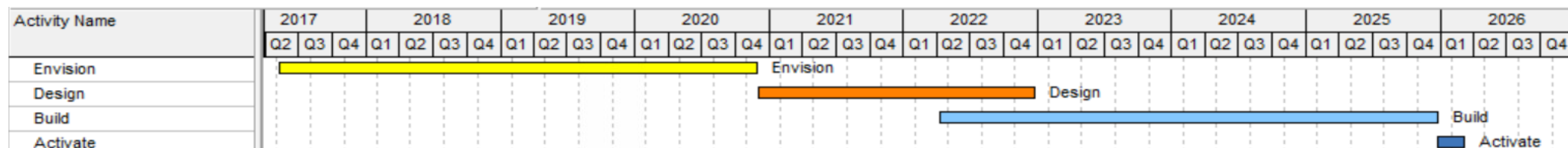
Tenant/Enabling - All Tenants have been relocated.

Phase 1 – 100% Baggage Handling System Design Approved by TSA, Conveyor Installation is 90% in Bag Claim Ceiling, 100% in the CBIS/CBRA, and 45% in the Apron. Electrical Installation is 95% CBIS/CBRA with device terminations. Conveyor start Up and programing has commenced.

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.

Budget: Phase 1 on track, Phase 2 pending 100% drawings (redesign of bump out).

Project Schedule:



Thank You!

**JOURNEY
WITHAUS**