



# Airport Expansion and Development Program Active Projects Update – August 2023

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Planning and Development Division Manager

# 12-Month Procurement Schedule

Anticipated advertisement or rotation list award dates

2023



2024

Jul 2023 ■ Barbara Jordan Terminal Optimization Area 2 (Design) (\$4M-\$6M)

Aug 2023 ■ Barbara Jordan Terminal Optimization Area 2 (Construction) (\$80M-\$120M)

Oct 2023 ■ Rolling Owner Controlled Insurance Program (\$60M-\$100M)

Oct 2023 ■ Demolish Red Garage (Design) (\$3M-\$6M)

LEGEND

■ Standard Procurement

■ Alternative Delivery Method

■ On-call Rotation List

Dec 2023 ■ New Parking Garage (Progressive Design/Build) (\$185M-\$346M)

Dec 2023 ■ Architectural and Engineering Services Rotation List (vertical) (\$24M-\$45M)

Dec 2023 ■ Architectural and Engineering Services Rotation List (horizontal) (\$16M-\$30M)

Dec 2023 ■ QA Testing Services Rotation List (16M-\$30M)

Dec 2023 ■ Survey Rotation List (\$8M-\$15M)

Dec 2023 ■ Public Parking Replacement (Design) (\$2M-\$3M)

Dec 2023 ■ Employee Parking Replacement (Design) (\$1M)

Dec 2023 ■ New Central Utility Plant (Progressive Design/Build) (\$102M-\$192M)

Jan 2024 ■ Utility Infrastructure Airside and South Campus (Design) (\$10M-\$18M)

Feb 2024 ■ Job Order Contracting Construction Services (\$5M-\$10M)

Feb 2024 ■ Concourse B, Tunnel and Apron (Progressive Design/Build) (\$1.9B-\$2.5B)

Utility Infrastructure Airside and South Campus (Construction) (\$167M-\$312M) ■ Apr 2024

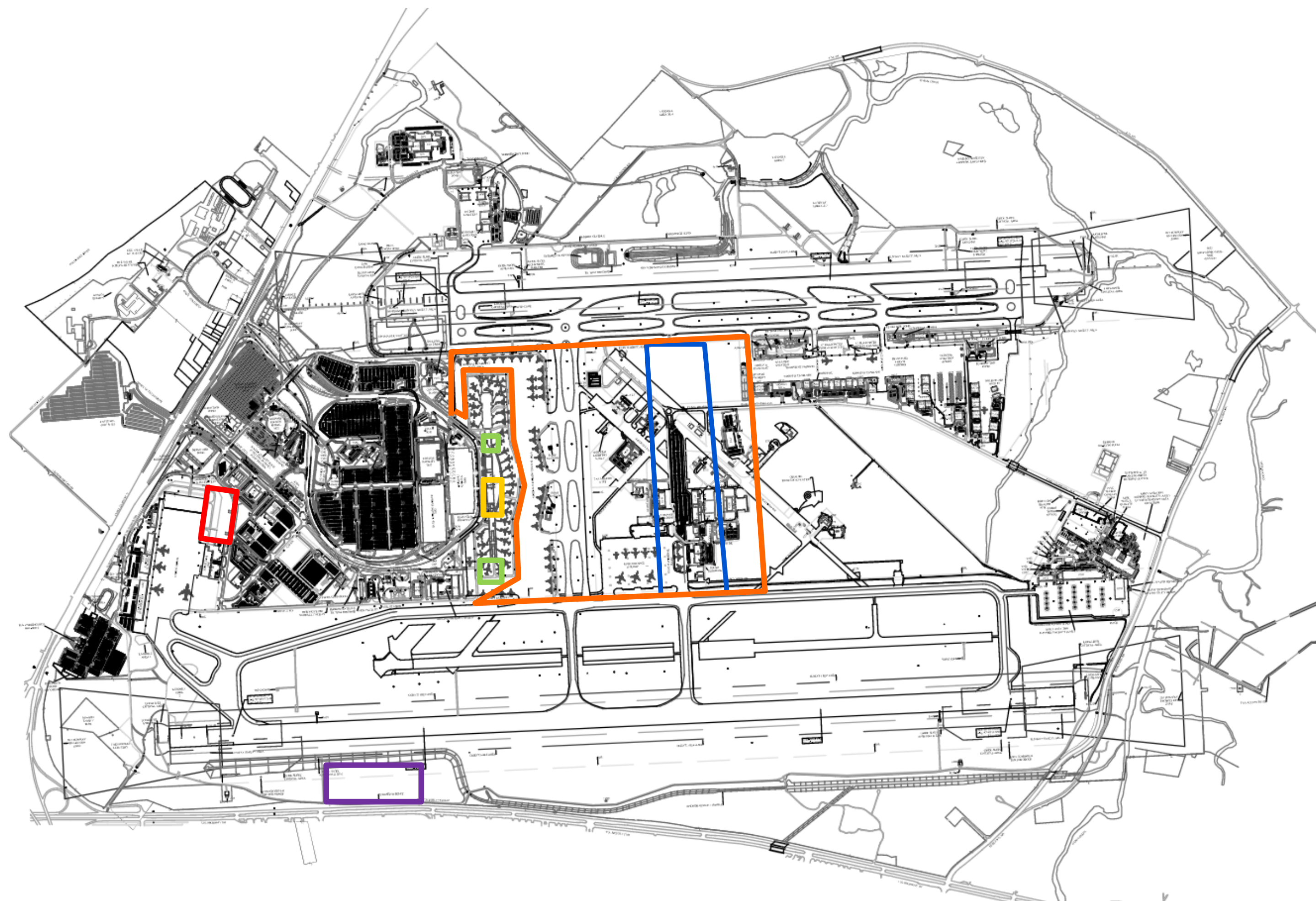
Curbside Roadway and Utility Relocation (Design) (\$6M-\$12M) ■ Apr 2024

Barbara Jordan Terminal Optimization Area 3 (Design) (\$21M-\$40M) ■ Jun 2024

Barbara Jordan Terminal Optimization Area 4 (Design) (\$14M-\$27M) ■ Jun 2024

Confidence Line





## 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)



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graph LR
    A[Envision] --> B[Design]
    B --> C[Build]
    C --> D[Activate]
  
```

**Project number** – 6000.121

SOIL OF TERMINAL - TO BE  
MAINTAINED BY CONTRACTOR

CONSTRUCTION PHASE  
CONTRACT 9-15 & 9-17 (IF NEEDED), DAYTIME, START  
CONTRACT 9-15 & 9-17, THEN WORK NORTH  
DAY DURING SEE SCHEDULE 9-15, 9-16, 9-17  
9-18, 9-19

**Status:**

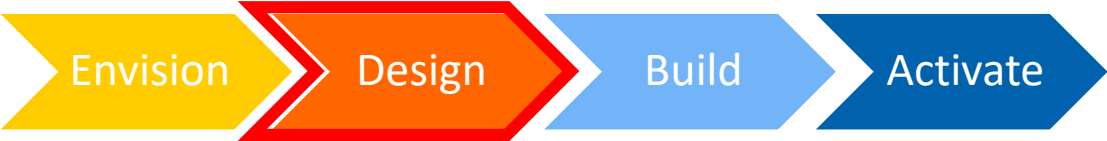
HNTB has provided comments for Midfield Geotech locations- Tunnel (T) T-1-T-12 Draft report have been addressed. Final deliverable expected 7/31. T-13-T-31 report is currently under development. Pavement survey Draft report is currently being developed. Labs for all pavement locations are being sampled. Midfield Survey Final Draft report submitted. Checkpoint 60% design stakeholder review comments have been provided to consultant. Awaiting review comments for COA QMD department expected 7/30

Design: 73%  
Construction: TBD%

[illegible]



# AEDP Airfield Infrastructure-Midfield Taxiway



**Sponsor** – Somer Shindler  
**AUS 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
Schedule delays due to South Terminal Access	Coordinate access to site. Rephased project to compensate for some of the delays

**Delivery Methods:**

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

**Project Budget:**

**Spent To Date:** \$2,391,107  
**Obligated:** \$4,190,761  
**Total Budget:** \$323,757,200

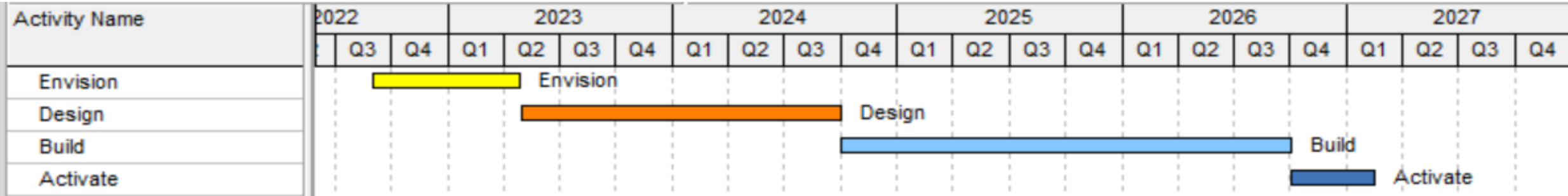
**%MWBE**

Design: 17%  
Construction Phase: 11.12%



**Status:**

- Preliminary Design Phase – Complete
- Design Phase - Negotiating Contract Amendment, August start
- Construction Manager At Risk (CMAR) Preconstruction Services 5% Complete



# AEDP Building Demolition

**Sponsor** – Somer Shindler  
**AUS Project Manager** – Ellen Brunjes-Brandt  
**Project number** – 13189.012

**Description** – Demolish 39 Buildings on South Campus that are a safety hazard, an 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
FAA Grant has not been issued	Title IV has been submitted and DBE Program Plans have been issued
Underground utilities differ from records	Uncover disconnect locations early to allow time for modifications due to differing conditions.

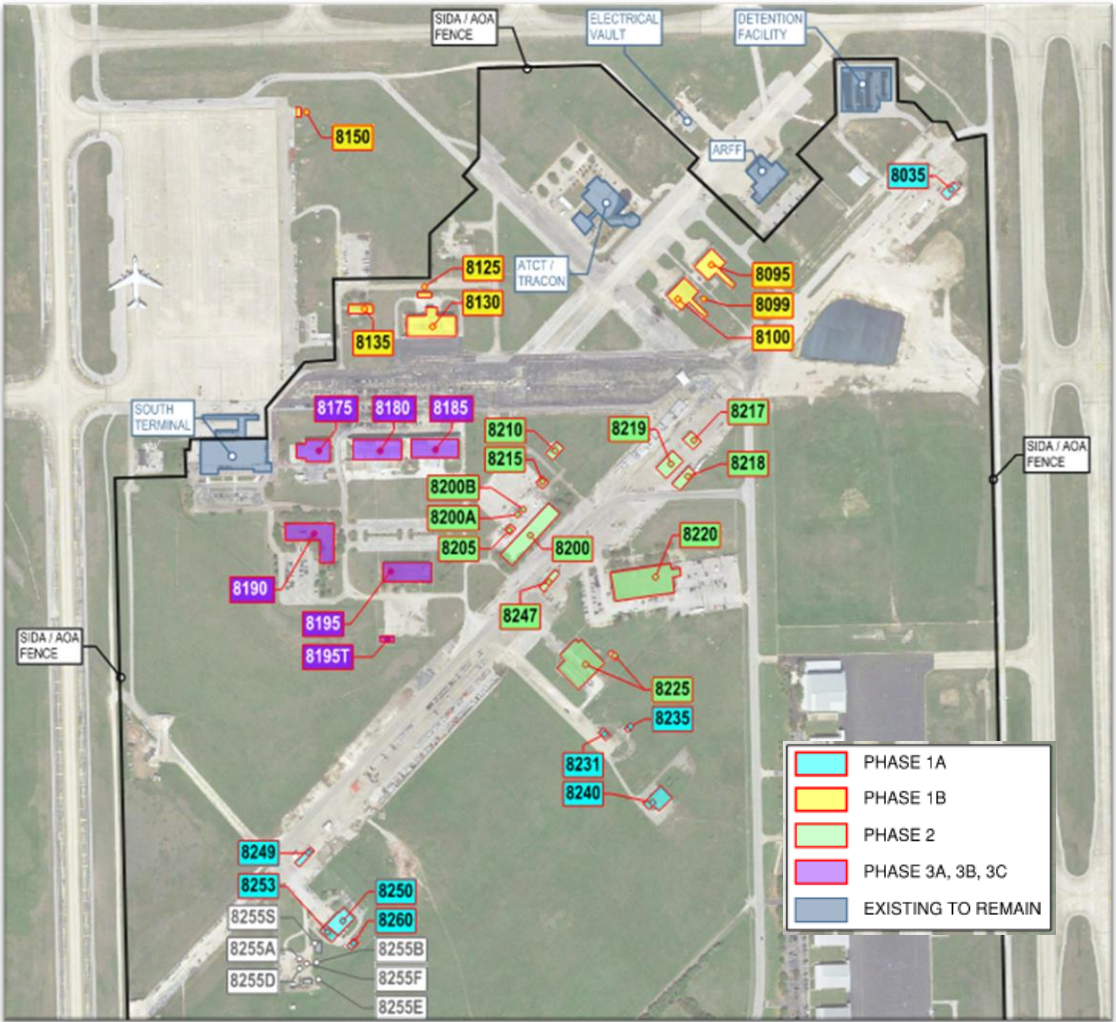
**Delivery Methods:**  
**Design:** Corgan  
**Construction:** Low Bid – STR  
Constructors

**Project Budget:**  
**Spend-To-Date:** \$895,721  
**Obligated:** \$5,190,352  
**Total Budget:** \$9,608,000

**%MWBE**  
Design: 15.8%  
Construction: 26.87%

## Project Schedule:

Activity Name	2022				2023				2024				2025			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Envision	Envision															
Design					Design											
Build									Build							
Activate													Activate			



## Status:

- 5-1-23 NTP Construction
- 5-30-23 Demolition Permit Activated
- 7-17-23 Phase 1A Complete



# Barbara Jordan Terminal Optimization (West Gate Expansion)

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

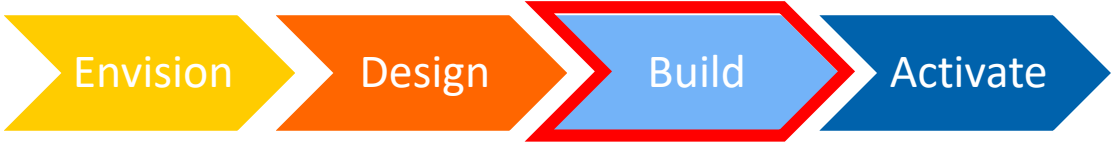
**Description** – The main expansion project will add new 3 Gates to the west end of the Barbara Jordan Terminal (BJT) and replace 12 aging boarding gates. This project will provide infrastructure needed for passenger growth, comfort, health and safety.

Risk	Mitigation
Schedule delays due to construction cost escalation.	Verify scope of work, value engineer scope and approval to move forward on reduced items.

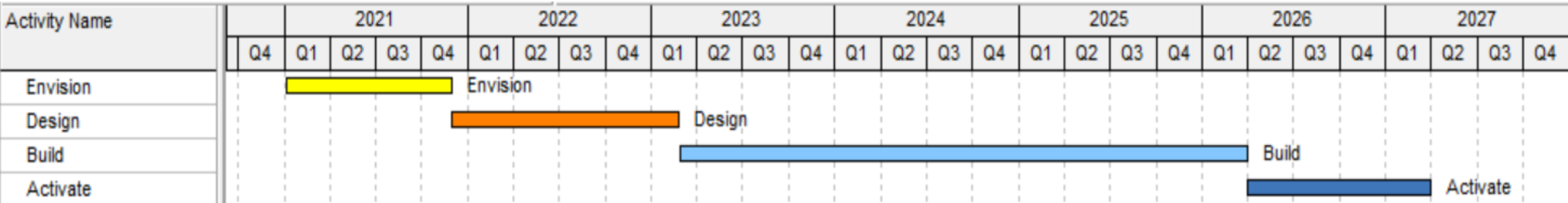
**Delivery Methods:**  
**Design:** Page Architects (Rotation List A/E Prof Services)  
**Construction:** Hensel Phelps (CMR Selection)

**Project Budget:**  
**Spent-To-Date:** \$9,666,861  
**Obligated:** \$54,168,569  
**Total Project Cost :** \$164,000,000

**%MWBE:**  
Design: 31.60%  
Design Anticipated: 40.6%  
Construction: 6.94% & 18.48%



## Project Schedule:



## Status:

- Notice to Proceed (NTP) Start of Construction 2/22/23.
- Construction enabling work is underway at Gates and BJT Concourse
- Temporary Jet Bridges are being put in place between Gates 32 & 34.
- Approval of GMP-2 estimated 8/4/23.



# AUS Cargo Development East

**Sponsor** – Mookie Patel  
**AUS 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 unavailability of electrical transformer from AE.	Checking on possible use of temporary power or a used transformer to complete project.



**Delivery Methods:**

**Design:** Atkins

**Construction:** Phase 1: JE Dunn  
Phase 2: Flintco

**Project Budget:**

**Spend-To-Date:** \$25,537,347

**Obligated:** \$31,362,49

**Total Budget:** \$32,874,000

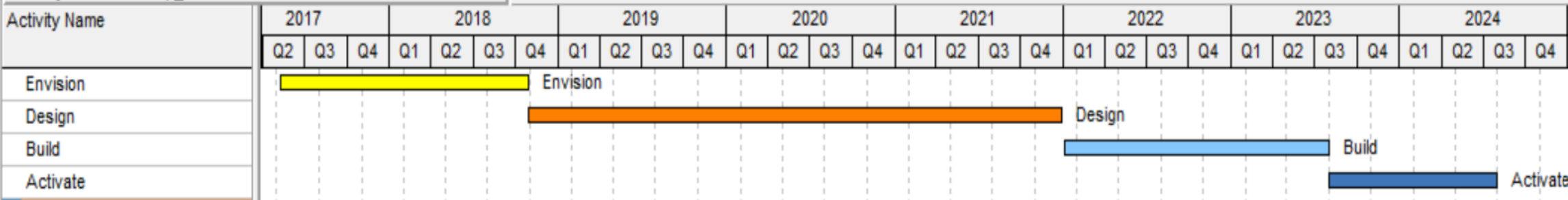
**%MWBE (const.)**

Design: 15.8%

Construction: 1.13%

Anticipated Construction: 7.36%

## Project Schedule:



## Status:

- Phase 1: Complete.
- Phase 2: Dry-in of shell building complete.
- Installation of MEP scopes & dock equipment underway.
- Transformer was installed by AE on 7/18/23.
- Substantial Completion (est) mid-October 2023.



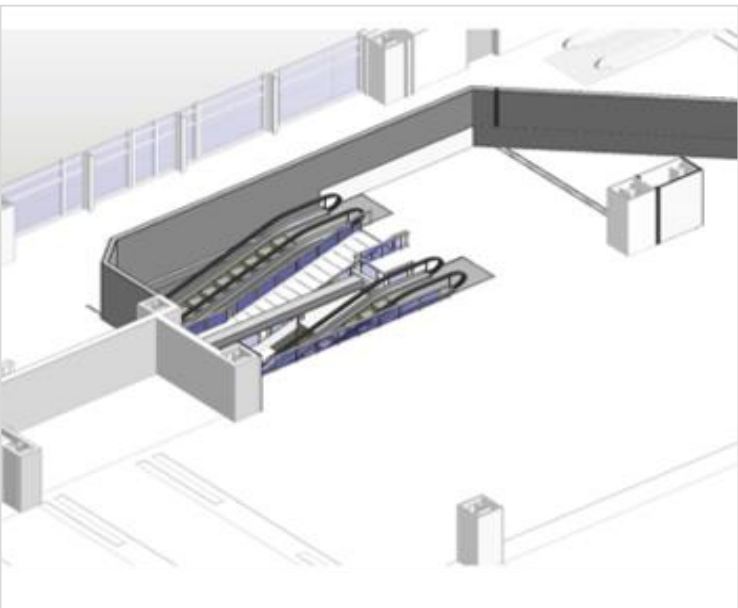
# Barbara Jordan Terminal Optimization (Gate 13 Renovation)

**Sponsor** – Ghizlane Badawi  
**AUS 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
Schedule delays due to availability of labor and materials.	Verify scope of work to include non long-lead materials if possible.



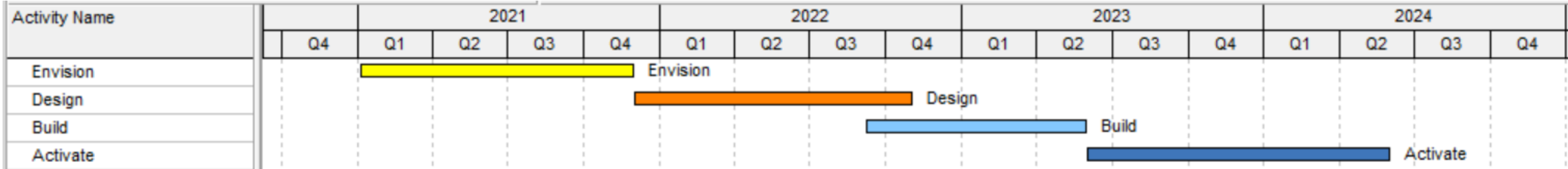
**Delivery Methods:**  
**Design:** Page Architects (RL)  
**Construction:** Alpha Bldg. (RL JOC)

**Project Budget:**  
**Spend-To-Date:** \$3,227,570  
**Obligated:** \$3,820,000  
**Total Budget:** \$4,000,000

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

- Status:**
- Long lead items late arrival will push Substantial Completion to September 2023 .
  - Escalators installed & tested, final finishes underway.
  - Gate 13 Exterior work to begin late August 2023 (est).

**Project Schedule:**



# 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
What type of decorative fence and landscaping is required?	At the May 31 <sup>st</sup> meeting the community selected the Art in Public Places (AIPP) option instead of a decorative fence and landscaping. Planning is underway for AIPP project approval by Aviation Management

**Delivery Methods:**  
**Design-Build**  
**Contractor:** Burns & McDonnell

**Project Budget:**  
**To-Date:** N/A  
**Total Budget:** ~\$64M

**%MWBE**  
Goal: 6.68%  
Participation to Date: 4.60%  
Participation Anticipated: 5.10%

**Project Schedule:**

Task Name	2022			2023			2024		
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Build									
Activate									



**Status:**

- Restoration of wetland is complete and vegetation is growing
- Construction of both fuel storage tanks is complete
- Continue building concrete dike walls around tanks
- Continuing to fabricate and install piping and pumps
- Continue with site grading and roads
- Project early completion is anticipated for February 2024



# Existing Terminal Centralized Baggage Handling System Upgrades

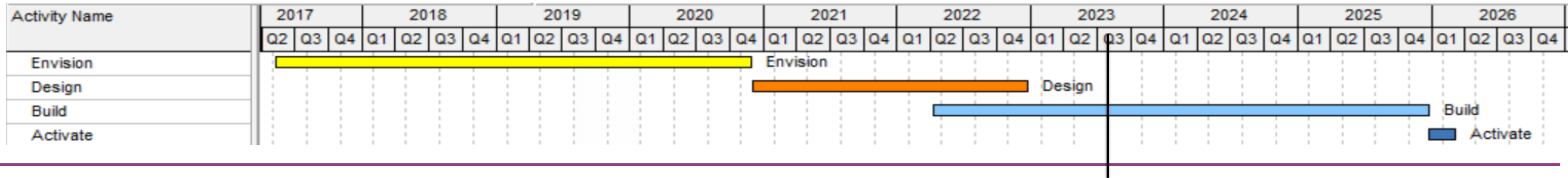
**Sponsor** – Brian Long/Somer Shindler  
**AUS Project Manager** – Rohini Kumarage  
**Project number** – 5415.112

**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 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.

<b>Delivery Method:</b> Design-Build	<b>Project Budget:</b>	<b>%MWBE</b>
<b>Contractor:</b> Whiting-Turner	<b>Spend-To-Date:</b> \$62,888,710	Construction and
<b>Designers:</b> Gensler, VTC BHS	<b>Obligated:</b> \$132,022,130	Design: 5.52%
	<b>Total Budget:</b> \$238,000,00	Anticipated: 10%

## Project Schedule:



**Status:**  
**Tenant/Enabling** - All Tenants have been relocated.  
**Phase 1** – 100% Baggage Handling System Design Approved by TSA, Conveyor Installation is 50% in Bag Claim Ceiling and 100% in the CBIS/CBRA. Electrical Installation is underway CBIS/CBRA  
**Phase 2** –West Infill/Bump out Concept Planning redefined per AUS Exec and Airlines due to increased passenger demand. Will need additional approvals from AAC and Council. BHS CBIS /CBRA was approved by TSA. 30% design were submitted and reviewed by AUS. 60% Design expected 10/1/23.  
**Budget:** Phase 1 on track, Phase 2 pending 100% drawings (redesign of bump out)

# Existing Baggage Handling System Upgrade

Additional Information

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# Existing Baggage Handling System Upgrade Overview

Creation of a centralized baggage processing system for departing checked bags to meet the demand of 30 million annual passengers.

- New conveyor belts
- 1.5 miles of conveyor belts
- Processing capability of 4,000 bags per hour
- Increase system reliability

Project Budget	
Spend to date	\$58,034,272
Obligated	\$132,022,130
Total Budget:	\$238,000,00

MWBE Percentage	
Goal	5.52%
Anticipated	10%

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





# Construction Update

## BHS Checked Bag Inspection System (CBIS)/Checked Bag Reconciliation Area (CBRA)

- Electrician is pulling wire to conveyors in the CBIS
- CBRA floor mounted conveyors are being installed
- Mechanical rough-in of motors has started  
Approximately 300 motors have been field installed to date

## Bag Claim Ceiling (Bulkhead)

- Overhead mechanical/engineering/plumbing relocations continuing to clear the BHS right-of-way
- Structural steel installation is ongoing
- BHS installation continuing

## Make up Area BHS Install

- Conveyor installation is progressing
- All conveyor work in the Makeup Area will be performed at night.





# Baggage Handling System Milestones

Short-Term Milestone	Date	Status
West Infill Site Plan Correction Submission	06/2/2023	1 <sup>st</sup> Review Completed
Early Works Package Permit Review	07/26/2023	In Progress
West Infill 60% Design	10/1/2023	In Progress
Bag Claim Ceiling Completion	10/25/2023	In Progress

Project Milestone	Target Date
Phase 1 - Go Live	06/03/2024
Tin-in of all west ticket counters	08/28/2024
Request for increased authority	09/21/2023
Phase 1 - Substantial completion	10/07/2024
West Matrix Decommissioning Complete – Phase 1	10/07/2024

# Record growth necessitates West Infill, additional capacity

With unprecedented growth in 2022, original design directive was determined not to meet the accelerated growth curve for AUS.

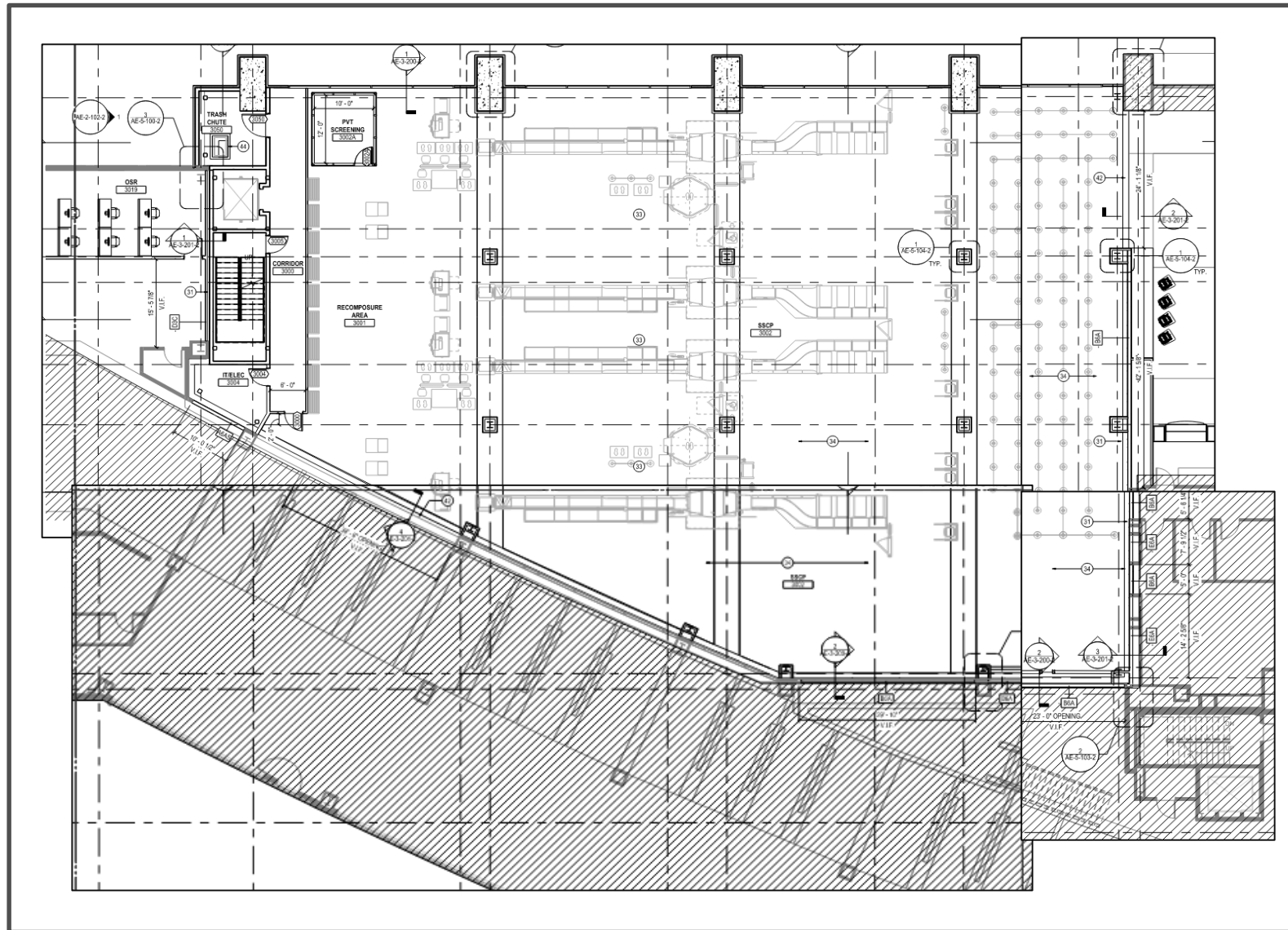
- Previous design only allowed for four Security Checkpoint lanes. Phase 2 will add six to eight.
- Design directive revised to increase Security Screening Checkpoint capacity.
- Baggage and Apron level footprint increased to match Concourse level.
- Checkpoint 2 West being expanded to accept existing Checkpoint 3 lanes to maintain level of service during construction.
- Includes additional ticket counters.
- West infill design also increased to include revenue generating space.

\*West infill 60% design review due October 1.



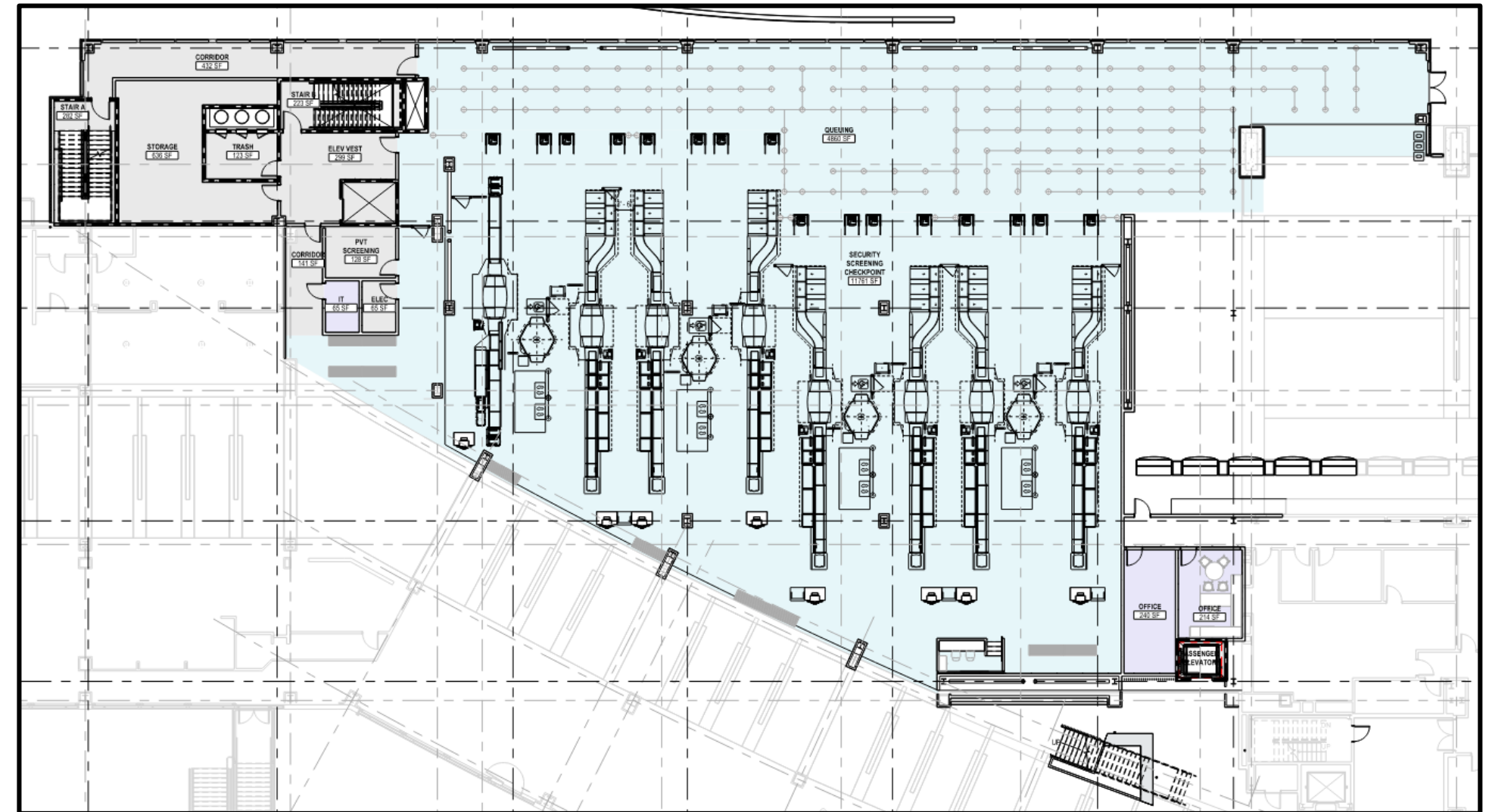


## 2022 Design



- Four security lanes
- Capacity increase of two lanes over existing SSCP3
- No Ticket Counter Increase
- No addition of revenue generating space

## Current Design



- Infrastructure to support eight Security Lanes
- Counter Increase of six positions (possible)
- Vertical circulation increased, large trash and elevator
- Revenue generating mezzanine



Questions?