Item 5

McGhee Tyson Airport Updates

PRESENTER: BRYAN WHITE, VP OF PLANNING $ DEVELOPMENT FOR THE METROPOLITAN KNOXVILLE AIRPORT AUTHORITY

NO ACTION REQUIRED

tpo
KNOXVILLE REGIONAL

McGHEE TYSON AIRPORT

KNOXVILLE

TERMINAL AREA DEVELOPMENT PROGRAM

Project Updates

August 26, 2026

Gresham Smith

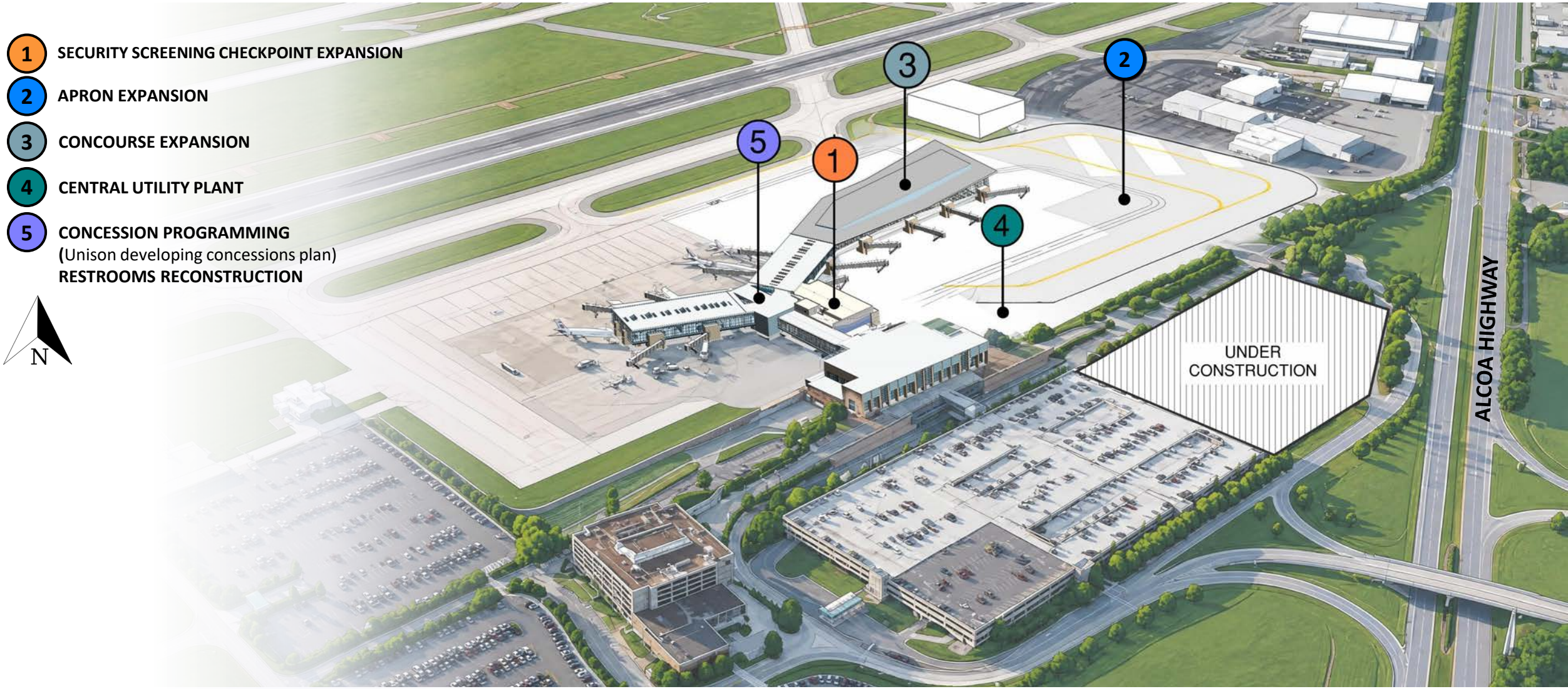


TERMINAL AREA DEVELOPMENT PROGRAM

PROJECT UPDATES


Total Airline Passengers
Passengers (Millions)
0
1
2
3
4
5
Covid Years
2020 -2021
Excluded
1.8M
2.6M
2.8M
3.6M
4M+
5.0M
15
16
17
18
19
22
23
24
25
26
27
28
29
30

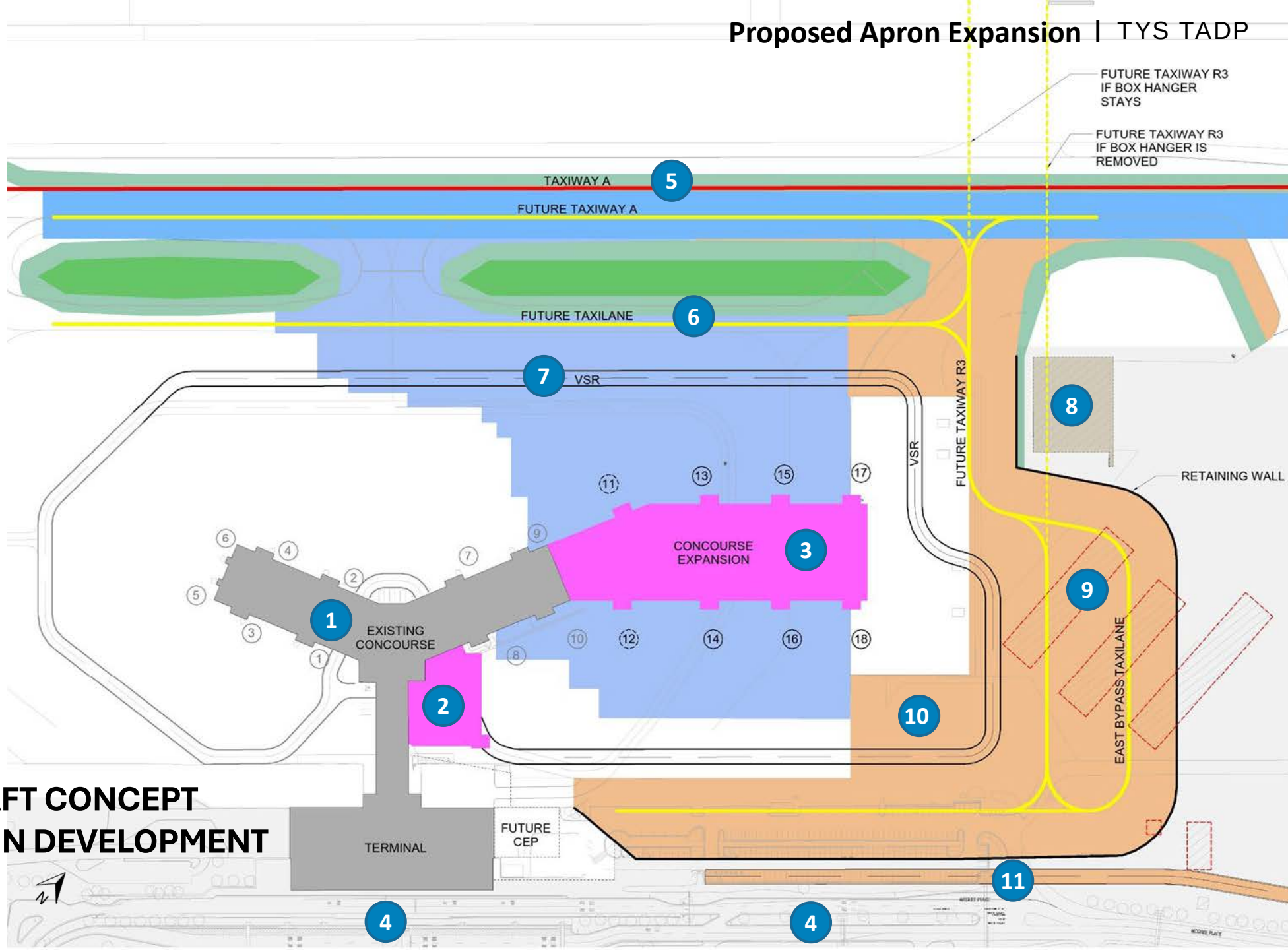
1. **SECURITY SCREENING CHECKPOINT EXPANSION**
2. **APRON EXPANSION**
3. **CONCOURSE EXPANSION**
4. **CENTRAL UTILITY PLANT**
5. **CONCESSION PROGRAMMING**
   (Unison developing concessions plan)
   RESTROOMS RECONSTRUCTION



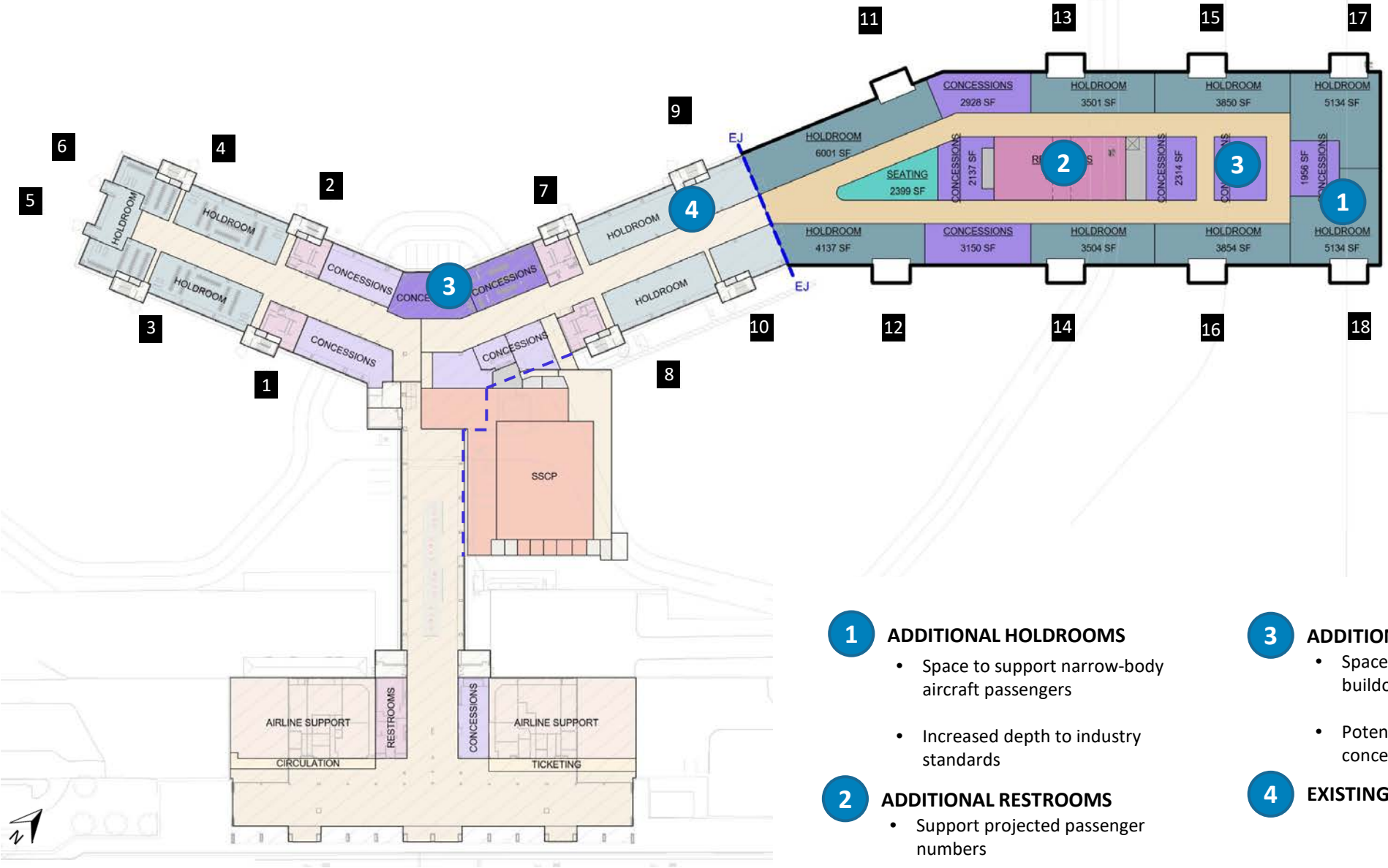
DRAFT CONCEPT – DESIGN IN DEVELOPMENT

Proposed Apron Expansion | TYS TADP

1. EXISTING CONCOURSE
2. SSCP EXPANSION
3. CONCOURSE EXPANSION
4. PARKING GARAGE
5. TAXIWAY ALPHA
6. TAXILANE
7. VEHICLE SERVICE ROAD
8. EXISTING GA BOX HANGAR
9. EXISTING T-HANGARS TO BE REMOVED
10. APRON EXPANSION (PEACH COLOR)
11. NEW ACCESS ROAD



DRAFT CONCEPT
DESIGN IN DEVELOPMENT



1 ADDITIONAL HOLDROOMS

- Space to support narrow-body aircraft passengers
- Increased depth to industry standards

2 ADDITIONAL RESTROOMS

- Support projected passenger numbers

3 ADDITIONAL CONCESSIONS

- Space for permanent concession buildouts
- Potential space for kiosk concessions

4 EXISTING CONCOURSE

DRAFT CONCEPT – DESIGN IN DEVELOPMENT

McGHEE TYSON AIRPORT KNOXVILLE

Gresham Smith MHM



Image is a representation of the design intent, and may not reflect the final built condition

MHM

DRAFT CONCEPT – DESIGN IN DEVELOPMENT





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MHM

DRAFT CONCEPT – DESIGN IN DEVELOPMENT

Conducted Existing Program Comparative and Benchmarking Analysis

- Identified opportunities within the existing program and redevelopment opportunities

Developed Program-Level Terminal Concessions Space Requirements

- Determined required space based on growing enplanements and terminal expansion

Coordination with Gresham Smith (GS) to Optimize Concessions Layout

- Coordinating with GS to determine concession layout for optimum passenger experience, revenue generation, visibility, and throughput

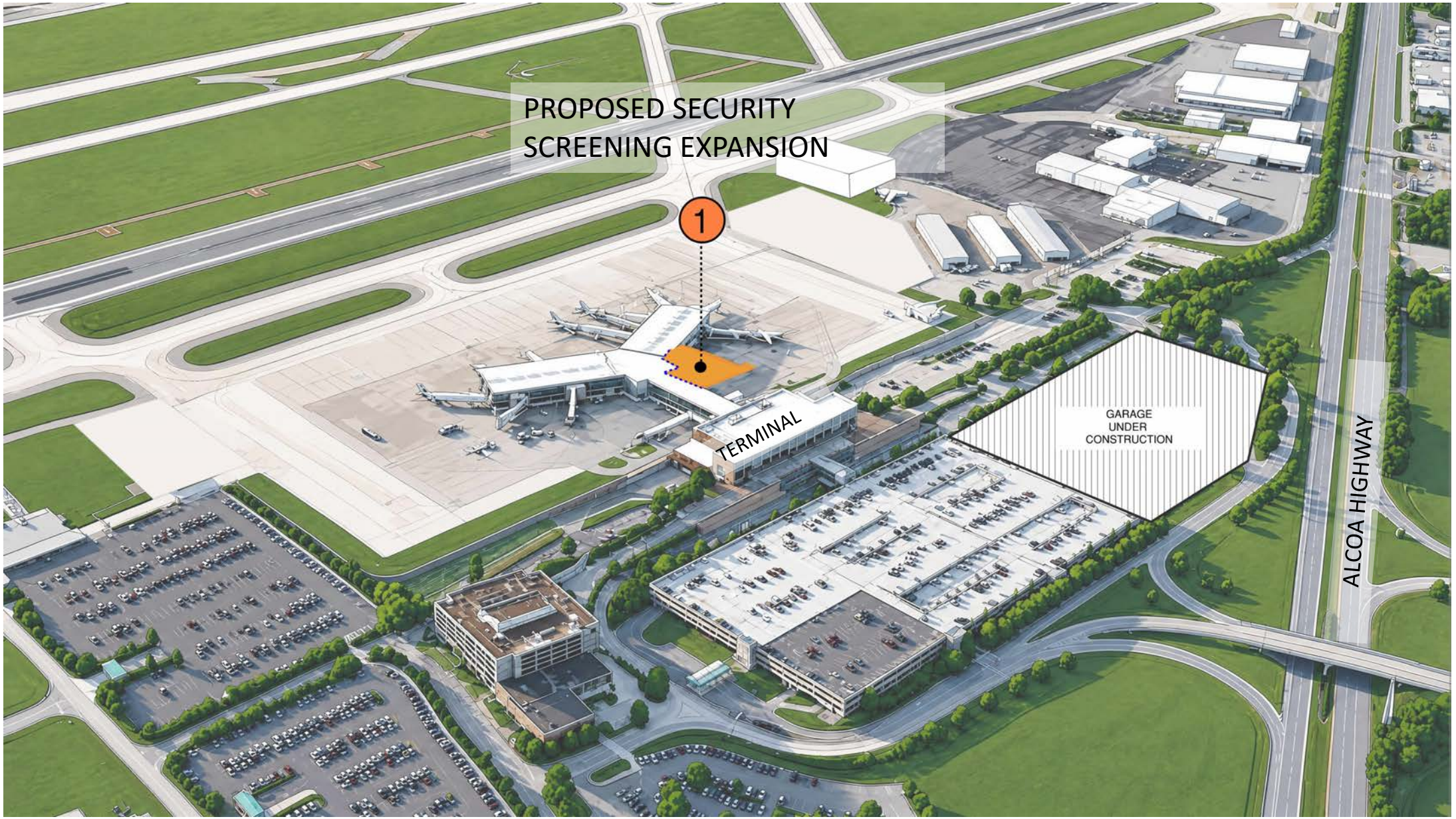
Terminal Improvement and Expansion Projects

- Preliminary review & coordination of adjacent projects impact on the Concessions Redevelopment Program (Restroom Renovations, Terminal Expansion Space and Layout, Utility Infrastructure Requirements, Implementation Phasing & Scheduling, etc.)

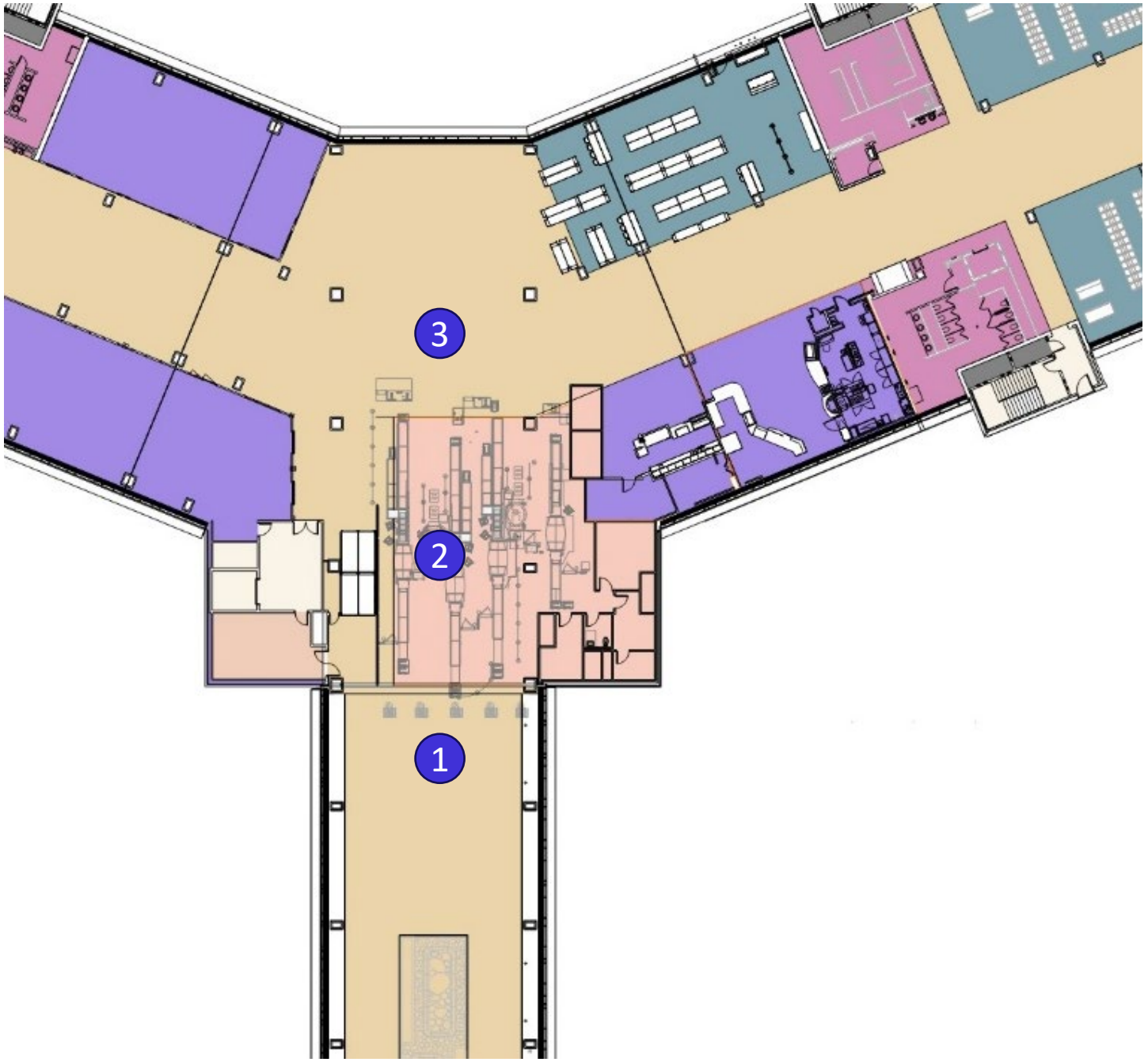


SECURITY SCREENING CHECKPOINT

PROJECT UPDATE


PROPOSED SECURITY
SCREENING EXPANSION
1
TERMINAL
GARAGE
UNDER
CONSTRUCTION
ALCOA HIGHWAY

Existing Checkpoint | TYS SSCP



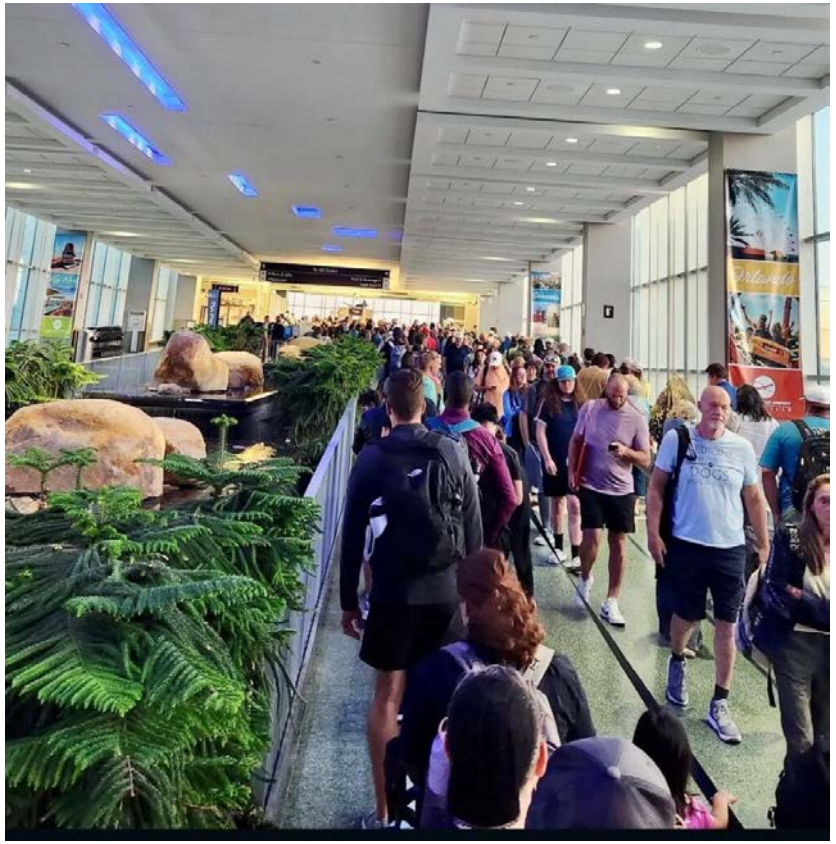
1. Queue
   - On Ramp
   - Undersized

2. Screening Lanes
   - Not Appropriately Spaced
   - Undersized
   - Mechanical / HVAC Lacking
   - Approx: 5,000 SF for 4-lanes

3. Circulation and Recomposure
   - Undersized
   - Circulation Paths Cross

LEGEND

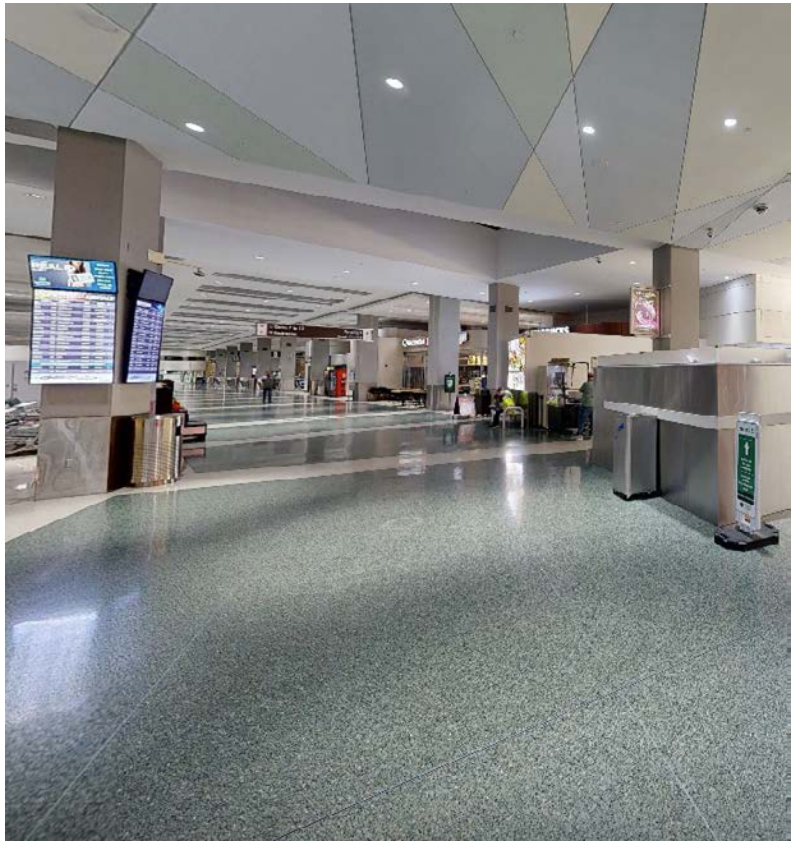
- CONCESSION
- RESTROOM
- SCREENING CHECKPOINT
- CIRCULATION
- GATE HOLD ROOM



1 Queue

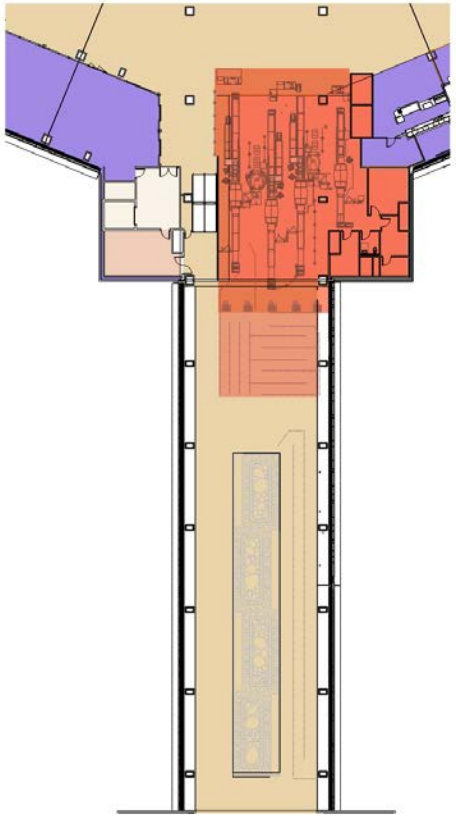


2 Screening Lanes



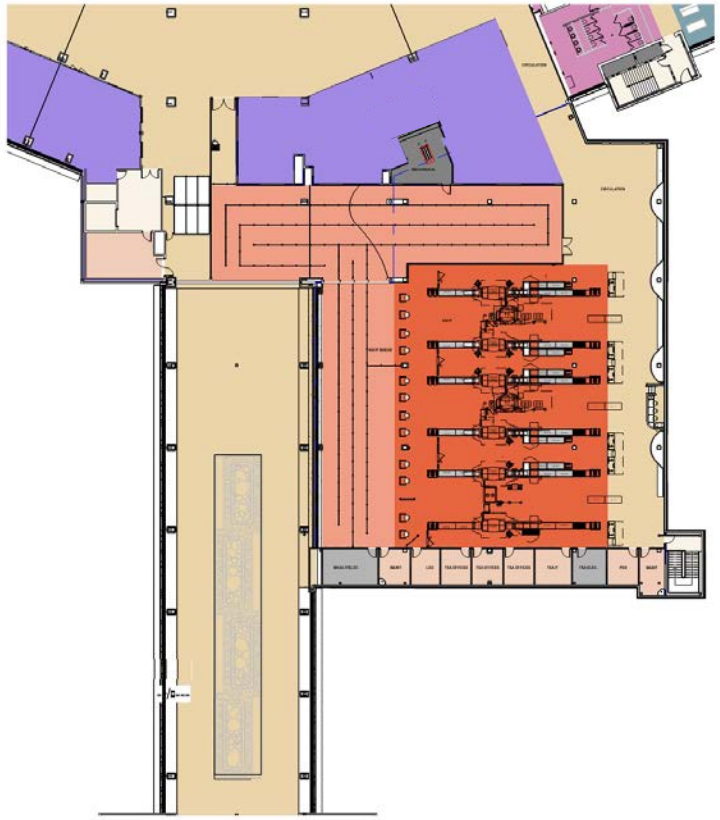
3 Circulation and Recomposure

2026



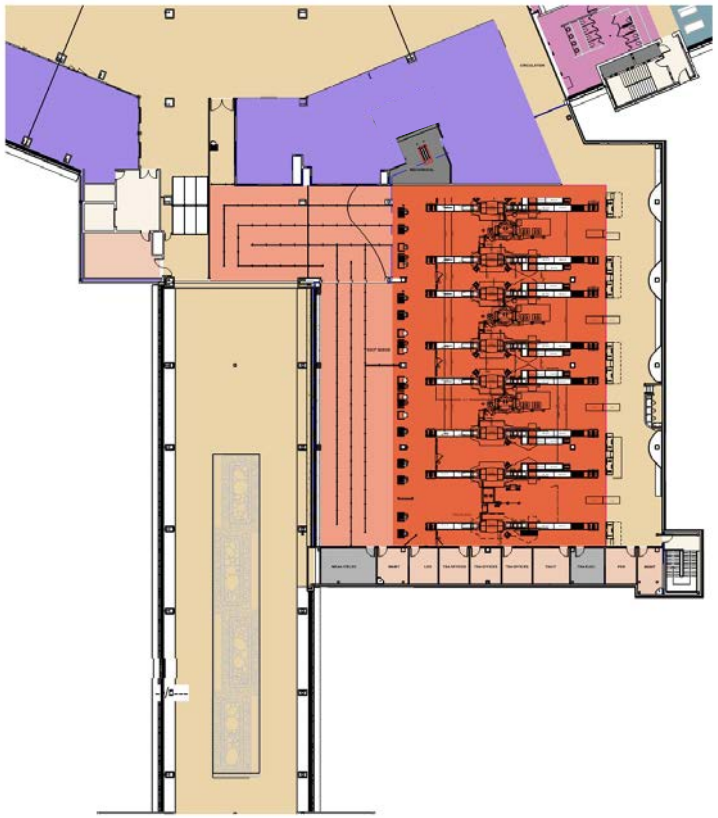
Number of Passengers per Hour: 605 (780 – 830)
Queue Space: 1,000 SF plus overflow
Pre Check Lanes: 1
Standard Screening Lanes: 3

2028



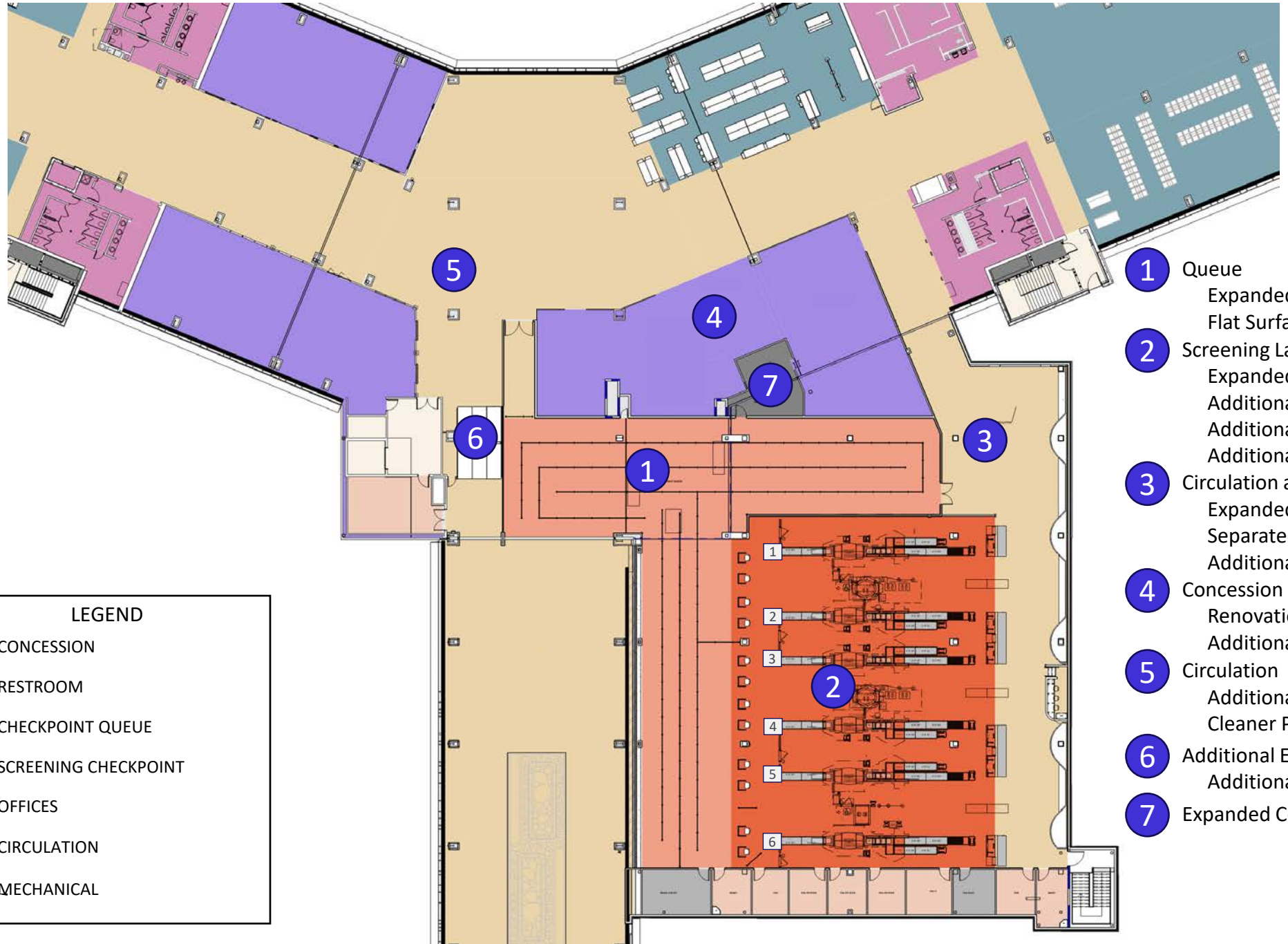
Number of Passengers per Hour: 960
Queue Space: 6,000 SF
Pre Check Lanes: 2
Standard Screening Lanes: 4

2040



Number of Passengers per Hour: 1,470
Queue Space: 4,500 SF
Pre Check Lanes: 3
Standard Screening Lanes: 5

Proposed Checkpoint TYS SSCP



LEGEND

- CONCESSION
- RESTROOM
- CHECKPOINT QUEUE
- SCREENING CHECKPOINT
- OFFICES
- CIRCULATION
- MECHANICAL

1. Queue
   - Expanded Queue
   - Flat Surface for Standing
2. Screening Lanes
   - Expanded for 6 Screening Lanes
   - Additional Offices Spaces
   - Additional TSA Officer Podiums
   - Additional TSA Precheck Lane
3. Circulation and Recomposure
   - Expanded Recomposure Area
   - Separated from Concourse
   - Additional Flight Information Displays
4. Concession Relocation
   - Renovation of Existing SSCP to Concession
   - Additional Concession Space
5. Circulation
   - Additional Signage
   - Cleaner Paths of Travel for Passengers
6. Additional Egress
   - Additional Exit Lane
7. Expanded Centralized Mechanical Room



1 Queue



2 Screening Lanes



3 Circulation and Recomposure

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DRAFT CONCEPT – DESIGN IN DEVELOPMENT



4 Concession Relocation



5 Circulation



6 Additional Egress

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DRAFT CONCEPT – DESIGN IN DEVELOPMENT

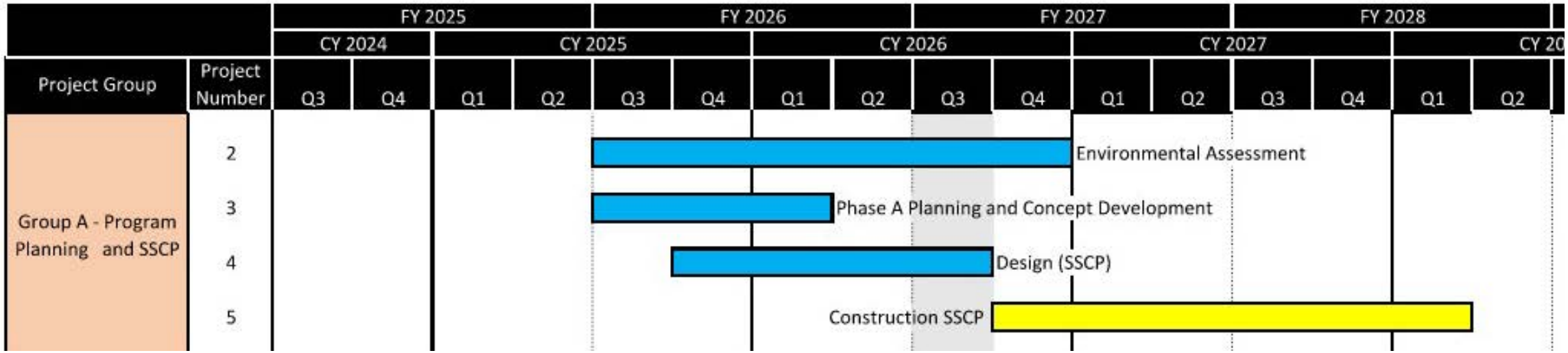


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DRAFT CONCEPT – DESIGN IN DEVELOPMENT



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FY 2025
FY 2026
FY 2027
FY 2028
CY 2024
CY 2025
CY 2026
CY 2027
CY 20
Project Group
Project Number
Q3
Q4
Q1
Q2
Q3
Q4
Q1
Q2
Q3
Q4
Q1
Q2
Q3
Q4
Q1
Q2
Group A - Program Planning and SSCP
2
3
4
5
Environmental Assessment
Phase A Planning and Concept Development
Design (SSCP)
Construction SSCP

Questions?

