

HCAA Project No. 6915 22

**HCAA Tampa International Airport
Master Plan Update (MPU)**

Board Meeting #6

June 6, 2024



Briefing Agenda

- **2022 Master Plan Update (MPU) Overview and Status**
- **Implementation Planning, Capital Program Update, and Financial Analysis**
- **2022 Master Plan's Initial Tasks**
Review of Select 2012 Master Plan Projects
- **Refined Master Plan Recommendations**
by Planning Activity Level (PAL)
- **Opportunities for Other Airport Enhancements**
- **Next Steps**



What is an Airport Master Plan Update?

"An airport master plan is a comprehensive study of an airport and usually describes the short-, medium-, and long-term development plans to meet future aviation demand."

- FAA Advisory Circular 150/5070 – 6B – Airport Master Plans

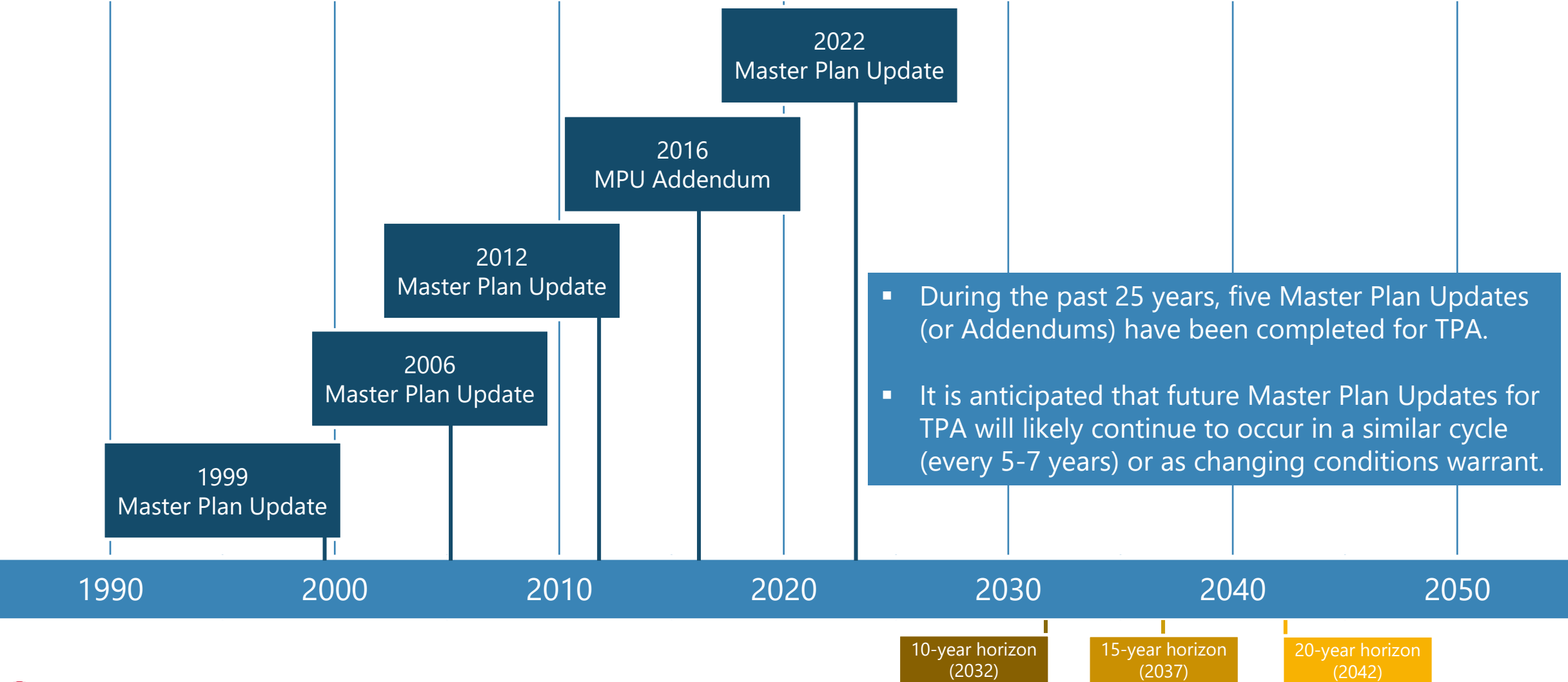
Culminates with an updated Airport Layout Plan



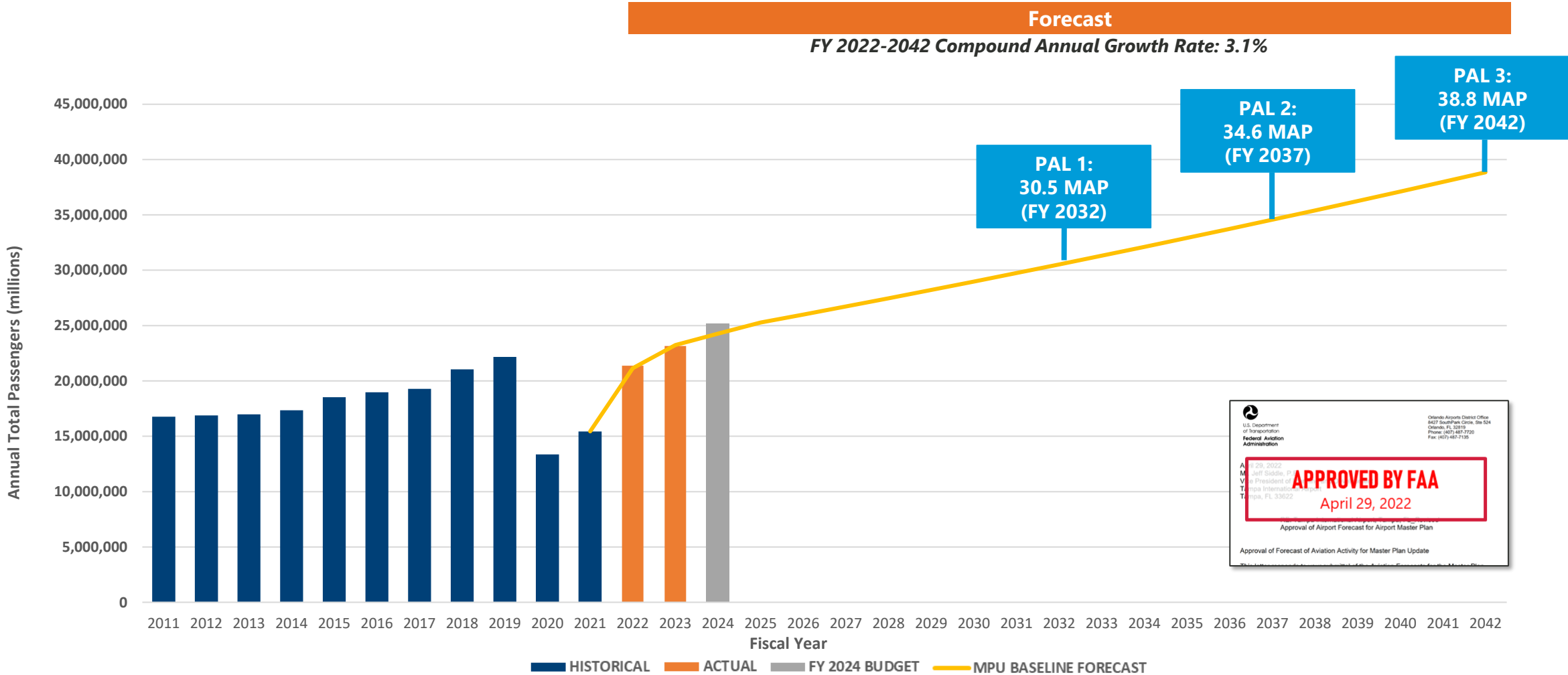
Federal Aviation
Administration
Airport Improvement
Program (AIP)



TPA's Master Plan Update – How often is it updated?



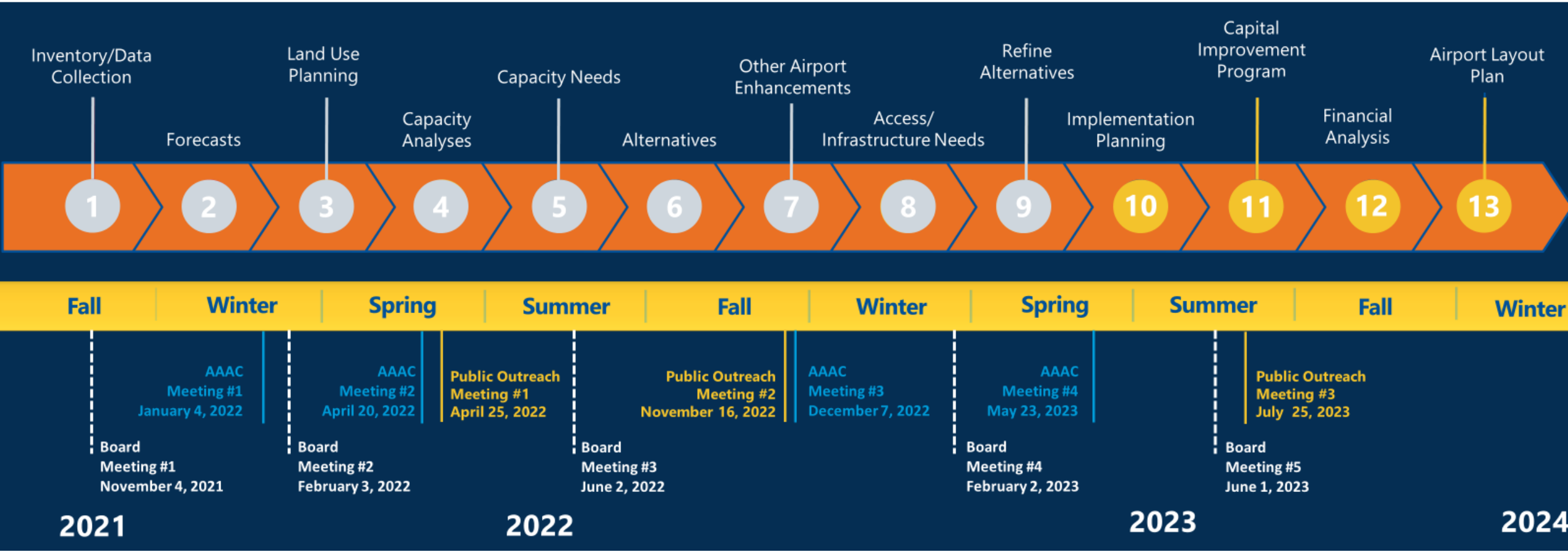
Total Unconstrained Passengers Forecast and Planning Activity Levels (PALs)



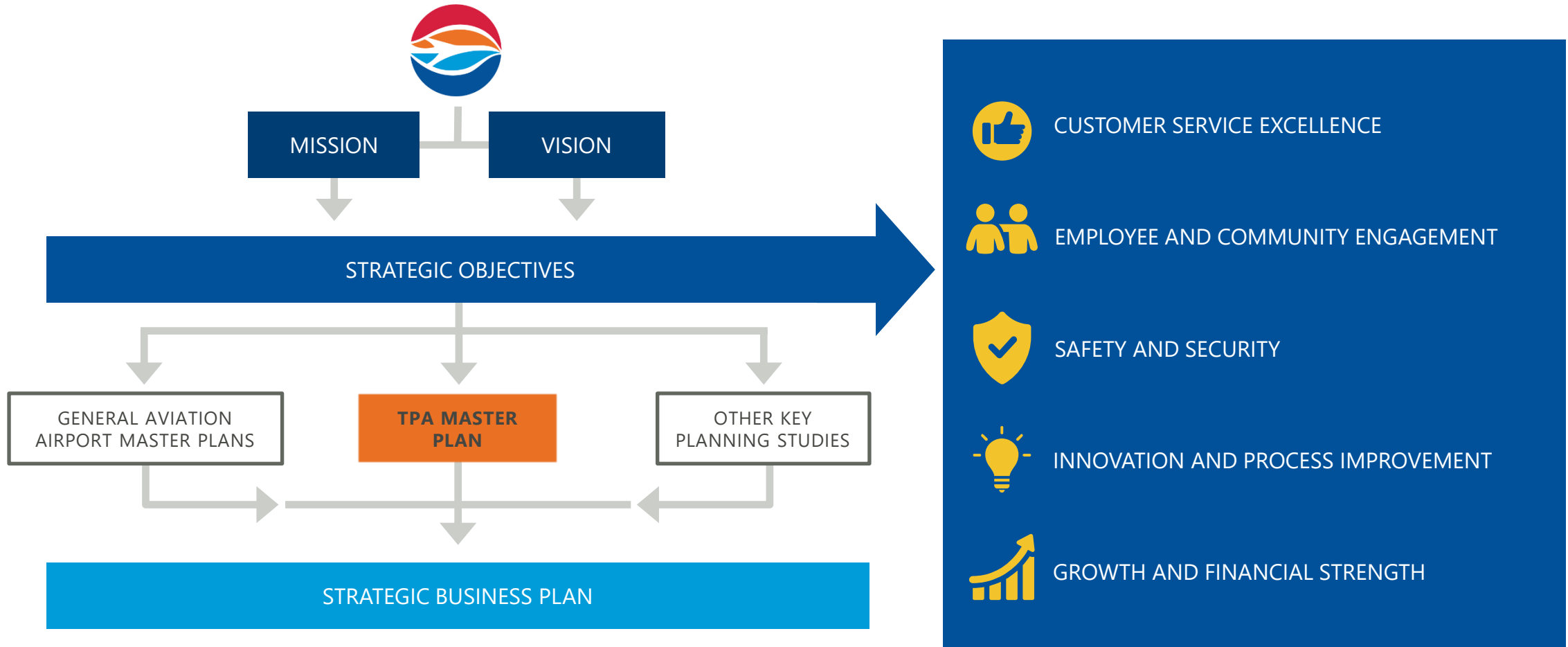
Sources: Hillsborough County Aviation Authority (historical), November 2021; FAA 2020 Terminal Area Forecast, May 2021; Ricondo & Associates, Inc. (forecast), November 2021. 2022 Tampa International Airport Master Plan Update (MPU)

2022 MPU Progress since June 2023 Board Briefing

Completed
 Pending Final Approvals



The Master Plan Update is an input for the Strategic Business Plan





Implementation Planning, Capital Program Update, and Financial Analysis

Implementation Planning – an Iterative Process leading to an Optimized Capital Improvement Program and Refined PAL 3 Recommendations



The Process defines:



Timelines for Planning, Programming, Environmental Studies, Design, and Construction



Initial Funding Strategy based on eligibility



2022 Master Plan's Initial Tasks

Review of Select 2012 Master Plan Projects

2012 Master Plan Program (including 2016 MPU Addendum)



Resulting Capacity Benefits:

25-28
MAP



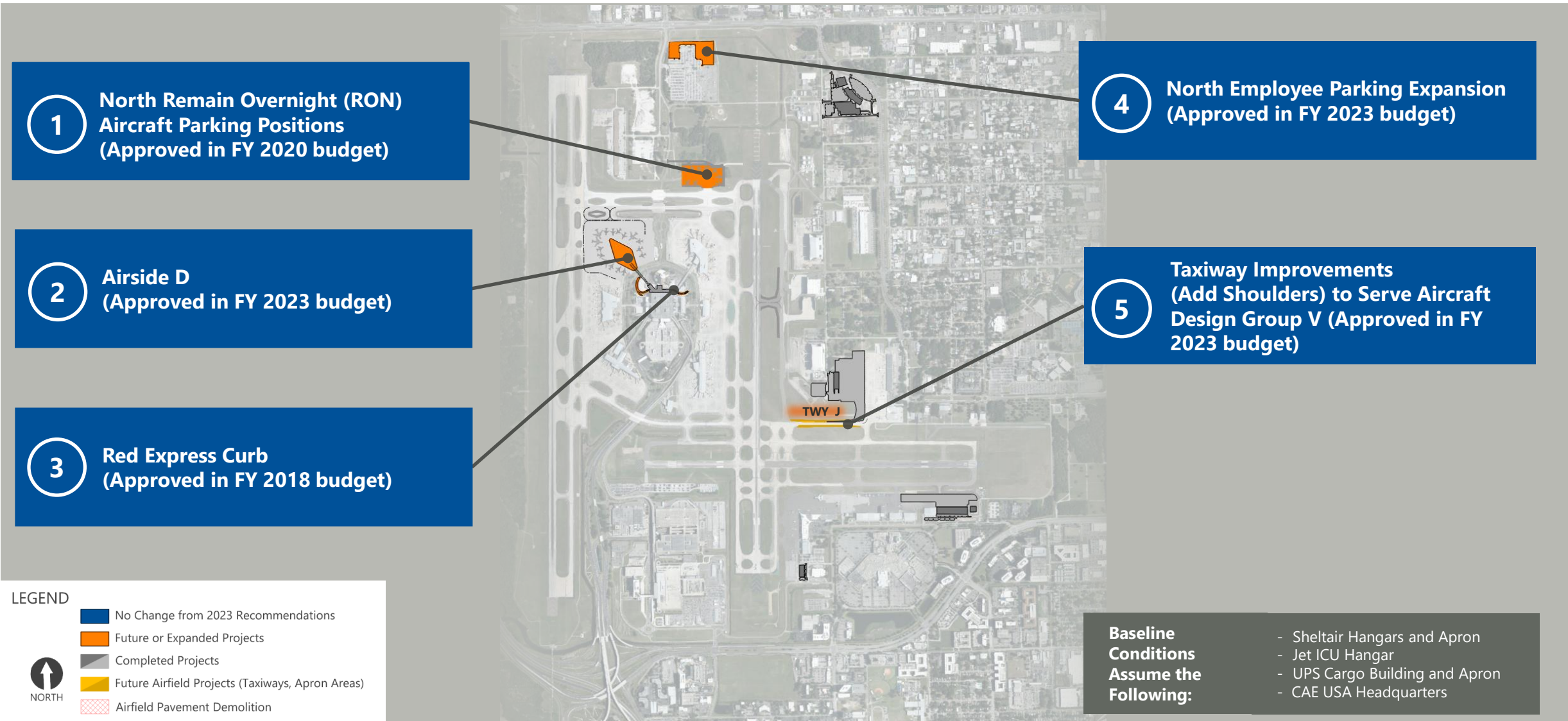
35
MAP

MAP: Million Annual Passengers

As noted during our November 4, 2021 briefing to the Board, the 2012 MPU Program added up to 40% of additional capacity to TPA's terminal facilities and associated roadways and curbs



Approved Capital Projects Validated by 2022 Master Plan Update





Refined Master Plan Recommendations by Planning Activity Level

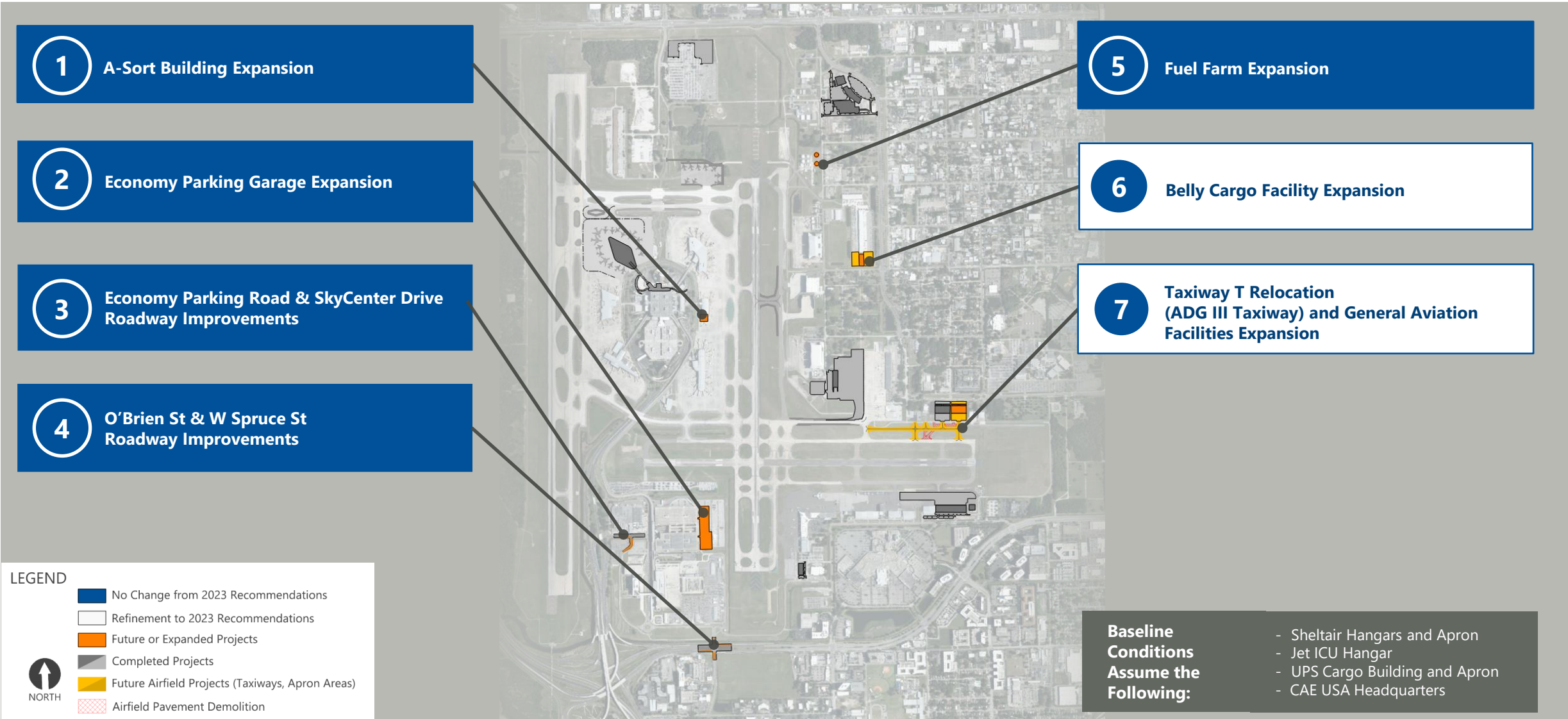


Refined Master Plan Recommendations

Planning Activity Level 1

30.5 Million Annual Passengers (MAP); FY 2032

Refined Airport Needs to Serve PAL 1 (30.5 MAP; FY 2032)



1 A-Sort Building Expansion

2 Economy Parking Garage Expansion

3 Economy Parking Road & SkyCenter Drive Roadway Improvements

4 O'Brien St & W Spruce St Roadway Improvements

5 Fuel Farm Expansion

6 Belly Cargo Facility Expansion

7 Taxiway T Relocation (ADG III Taxiway) and General Aviation Facilities Expansion

LEGEND

- No Change from 2023 Recommendations
- Refinement to 2023 Recommendations
- Future or Expanded Projects
- Completed Projects
- Future Airfield Projects (Taxiways, Apron Areas)
- Airfield Pavement Demolition

NORTH

Baseline Conditions Assume the Following:

- Sheltair Hangars and Apron
- Jet ICU Hangar
- UPS Cargo Building and Apron
- CAE USA Headquarters

PROJECT LISTING EXCLUDES MISCELLANEOUS AIRFIELD GEOMETRY IMPROVEMENTS RECOMMENDED FOR IMPLEMENTATION AS PART OF FUTURE PAVEMENT REHABILITATION PROJECTS

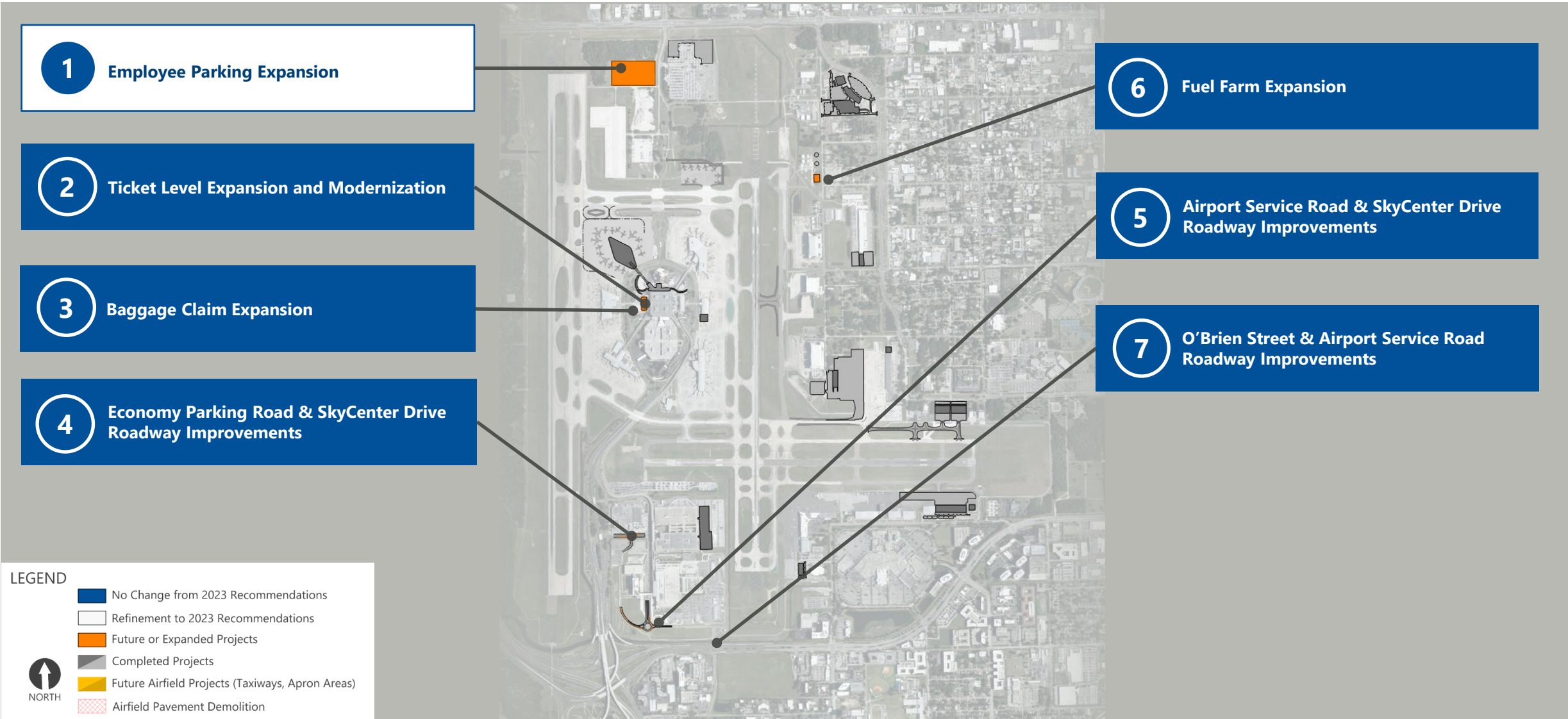


Refined Master Plan Recommendations

Planning Activity Level 2

35 Million Annual Passengers (MAP); FY 2037

Refined Airport Needs to Serve PAL 2 (35 MAP; FY 2037)



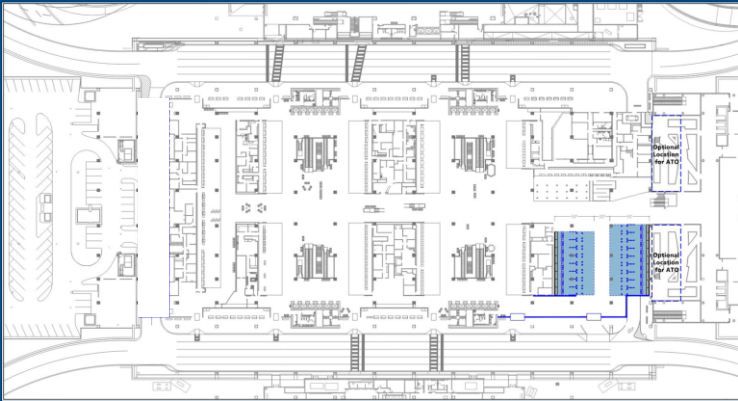
PROJECT LISTING EXCLUDES MISCELLANEOUS AIRFIELD GEOMETRY IMPROVEMENTS RECOMMENDED FOR IMPLEMENTATION AS PART OF FUTURE PAVEMENT REHABILITATION PROJECTS



Ticket Level Improvements

(recommended for implementation between FY 2026 and FY 2029)

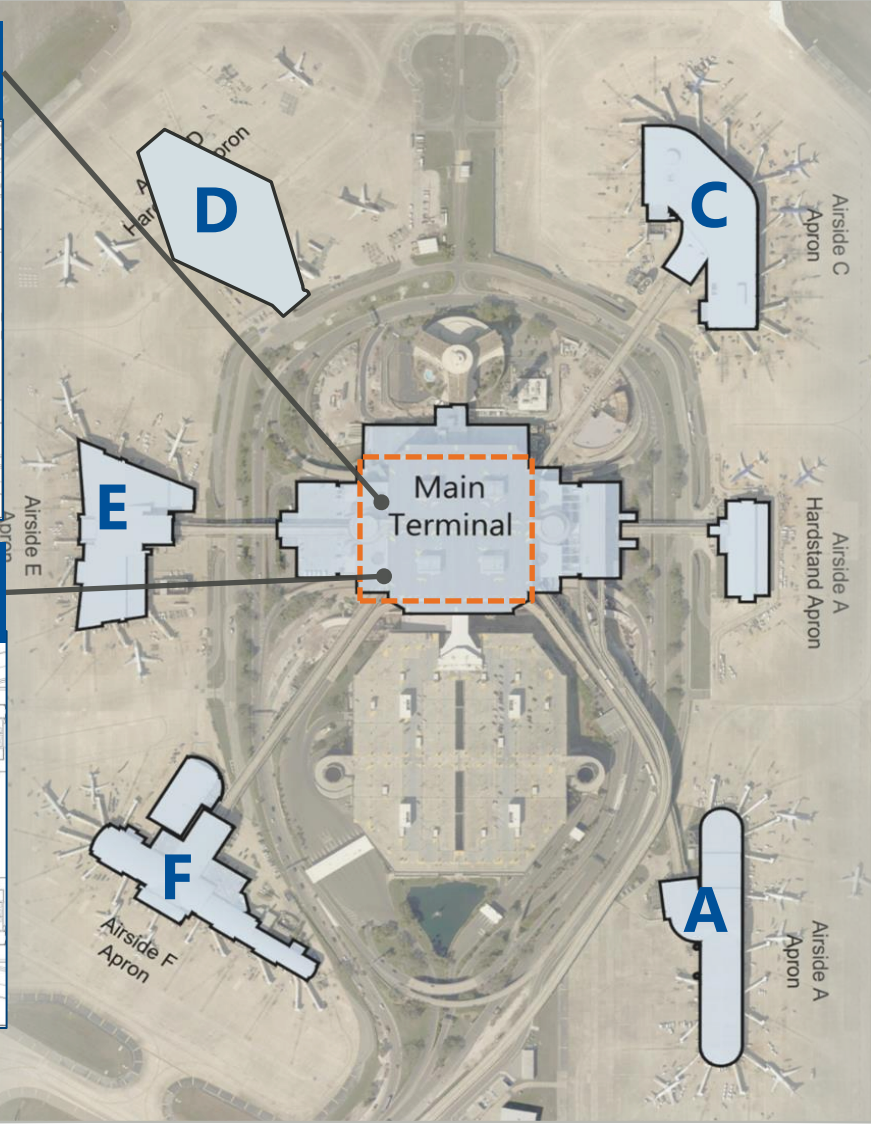
1a Ticket Level Expansion



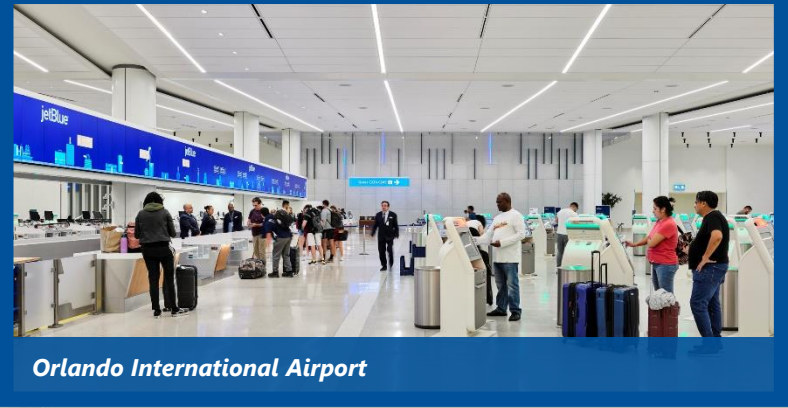
1b Ticket Level Modernization



LEGEND
Existing Terminal Building



Los Angeles International Airport



Orlando International Airport



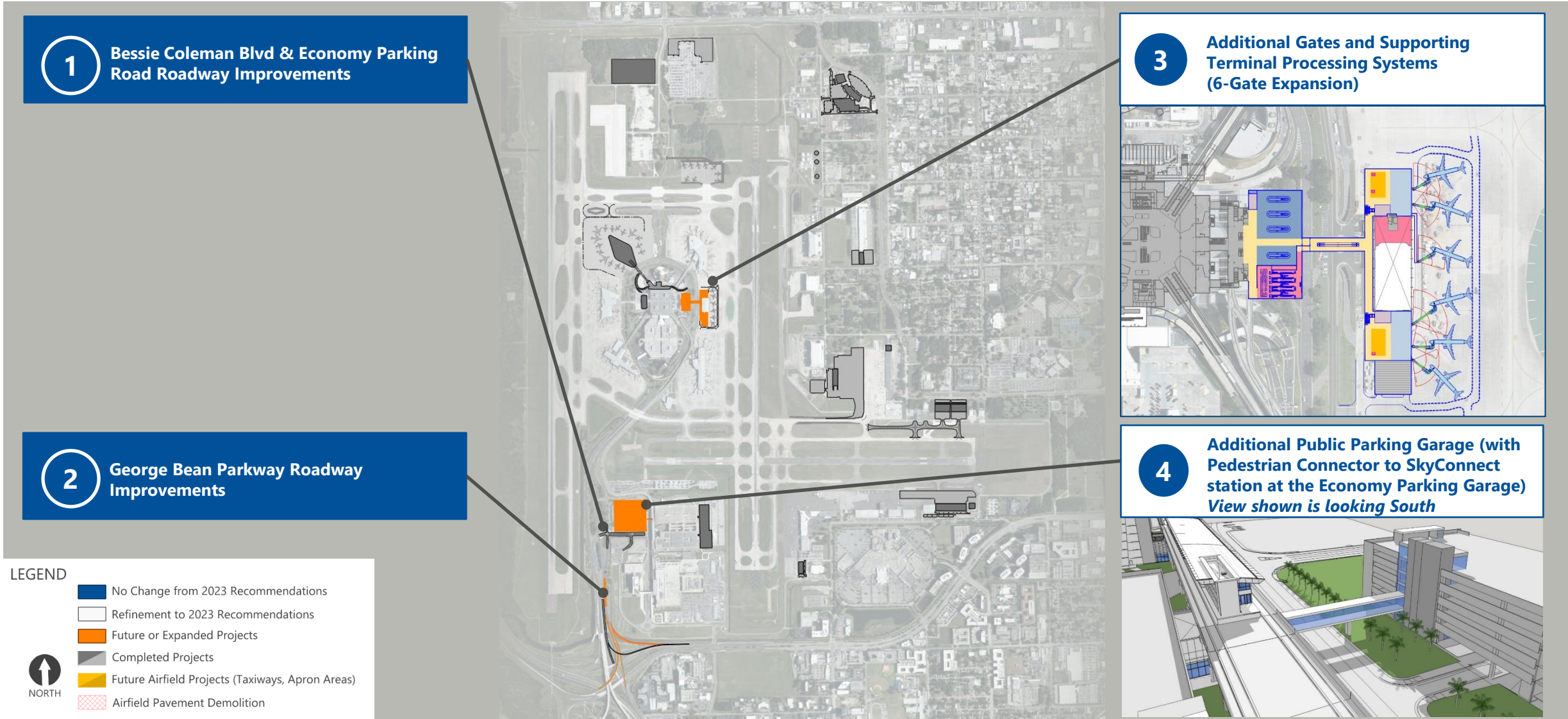


Refined Master Plan Recommendations

Planning Activity Level 3

39 Million Annual Passengers (MAP); FY 2042

Refined Airport Needs to Serve PAL 3 (39 MAP; FY 2042)



PROJECT LISTING EXCLUDES MISCELLANEOUS AIRFIELD GEOMETRY IMPROVEMENTS RECOMMENDED FOR IMPLEMENTATION AS PART OF FUTURE PAVEMENT REHABILITATION PROJECTS



2022 MPU – Additions to Capital Improvement Program

PAL 1 (30.5 MAP) – 7 Projects



PAL 2 (35 MAP) – 7 Projects



PAL 3 (39 MAP) – 4 Projects



18 New Capital Projects proposed for implementation by 39 MAP (forecast to occur in the MPU on or near FY2042)



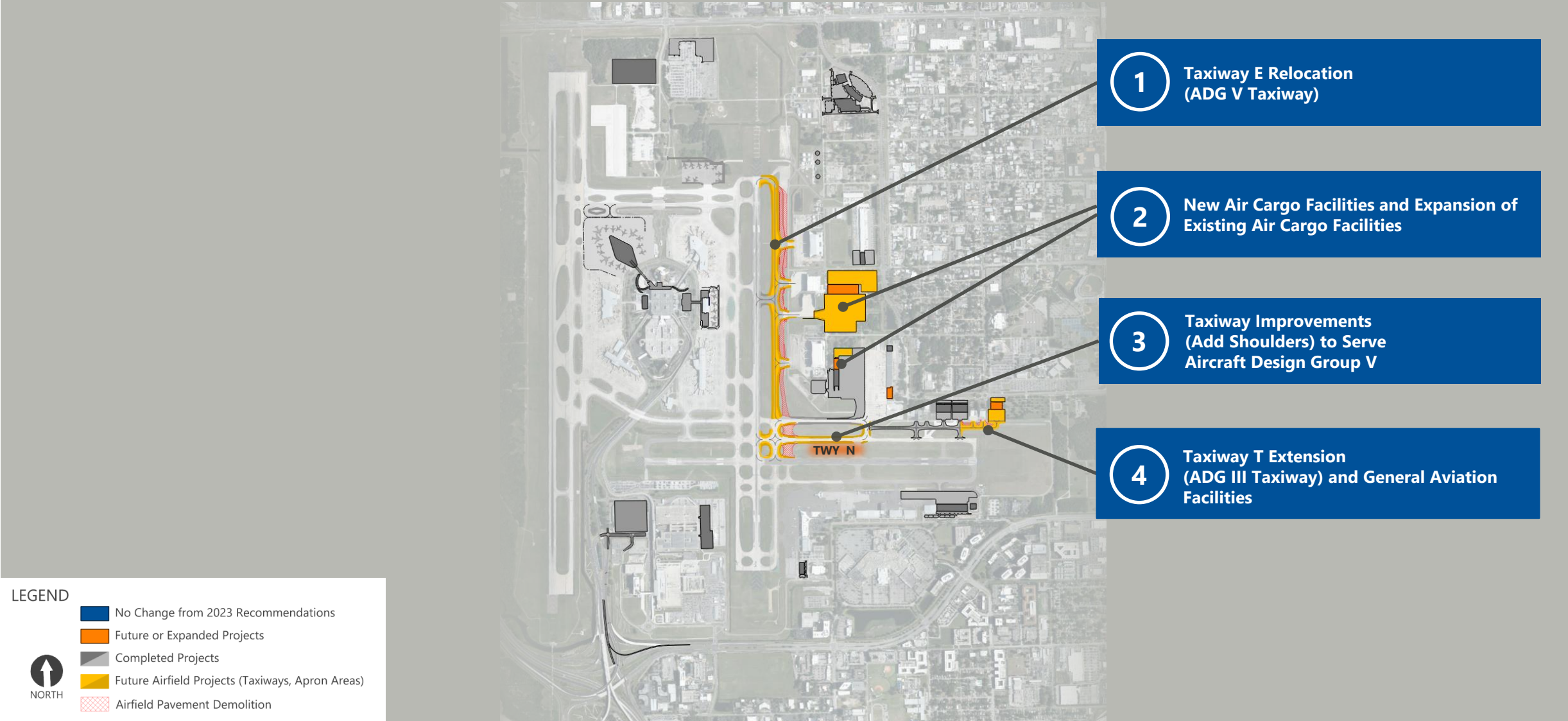
The 2022 MPU also identified several airfield geometry improvements that are anticipated to be implemented as part of various airfield pavement rehabilitation projects during the 20-year horizon that are excluded from the totals shown above.

LEGEND – PROJECT TYPES:

- Maintain Existing Facilities
- Aircraft Parking/Gates
- Additional Baggage Processing Capacity
- Landside Capacity
- Customer Experience
- Airside Improvements
- Cargo
- Auto Parking
- Aircraft Fueling
- Taxiway



Opportunities for Other Airport Enhancements



Next Steps



Next Steps

Submit MPU documents and Airport Layout Plan to the FAA and the Hillsborough County Planning Commission:

June 7, 2024

Present final MPU to Hillsborough County Planning Commission:

July 8, 2024

Initiate update to the Strategic Business Plan (by the Aviation Authority):

Fall 2024



