

Capital Improvement Project Status Report

July and August 2021

I. Projects in Planning

#6385 18 HCAA Website Rebuild

Substantial Completion: TBD
Current Budget: \$540,600
Consultant: TBD
Airport: Tampa International, Peter O. Knight,
Tampa Executive, and Plant City

Project Description: The scope of the project is to refresh the Airport's public website. The project will incorporate current design trends and technologies to deliver a more engaging and accessible site for airport patrons.

Project Status: The Authority has cancelled the solicitation and is evaluating and revising the scope pending Executive approval of the effort.

#6565 19 Public Safety System Upgrade

Substantial Completion: November 2020
Current Budget: \$1,111,500
Consultant: TriTech Software Systems
Airport: Tampa International

Project Description: The scope of this project is to upgrade the Public Safety software used by the Police Department. Much of this software is over 18 years old and the upgrades and enhancements will improve the user interface allowing the Authority's Police department to expedite administrative tasks, include robust mobility for officers in the field, provide more accurate location information and more efficient dispatching, and allow more efficient incident reporting and streamlined statistical reporting to enable the creation and sharing of reports.

Project Status: Substantial completion occurred in late October 2020 by bringing the records management system (RMS), the computer-aided dispatch (CAD) system, RMS Mobile, and Field Ops into production. The vendor is completing the final steps needed to complete RMS data migration from the legacy RMS system. Once the data migration is completed the final two interfaces, TRACS and LINX, will be brought live. The last step implementing the IQ Search platform is expected in September 2021.

#6660 19 Noise Study
AIP 03-12-0078-66-2019

Substantial Completion: July 2021
Current Budget: \$627,800
Consultant: Environmental Science Associates
Airport: Tampa International

Project Description: The scope of this project is to formally update the Noise Exposure Map (NEM). The last formal update was completed and approved in 2000. The formal NEM update will be conducted in accordance with 14 C.F.R. Part 150.

Project Status: As of January 2021, Environmental Science Associates (ESA) worked with the Authority to gain FAA approval on the methodology used for the number of aircraft operations used for the current and the five-year look ahead with respect to projected noise impacts. This was especially challenging given COVID and the significant drop in aircraft operations. The FAA published a draft terminal area forecast (TAF), which included projections based on COVID impacts, in November of 2019. The Authority provided a memo to the FAA in January 2021 to gain approval on forecasting methodology. FAA approval was received on the forecast methodology. ESA is on track to have a draft report and contours ready for the second and final round of public outreach in the August/September 2021 timeframe, with final report submission to the FAA by the end of CY 2021.

#6690 20 IT FY20 Capital Commodity Plan

Substantial Completion: October 2021
Current Budget: \$2,890,000
Contractor: ITS Department / JOC (Johnson-Laux)
Airport: Tampa International

Project Description: The scope of this project is to purchase information technology equipment and other associated ancillary items in a phased refresh cycle to ensure the stability and reliability of the Authority's technology infrastructure.

Project Status: The project timetable has been extended to allow for the relocation of the meeter/greeter sign located at the entrance area to the Airside E shuttle lobby on the Transfer Level of the Main Terminal.

#6715 20 Bag Claim Carpet Replacement

Substantial Completion: TBD
Current Budget: \$1,514,100
Consultant: TBD
Contractor: TBD
Airport: Tampa International

Project Description: The purpose of this project is to replace the Bag Claim carpet, as well as some of the back of house flooring in the Main Terminal.

Project Status: This project has been deferred to a future fiscal year to be determined as a cost cutting measure due to COVID-19 impacts. The project will be included into a larger FY22 Baggage Claim Level Ceiling Replacement project.

#6740 20 Tampa Executive Airport Master Plan Update

Substantial Completion: TBD
Current Budget: \$650,000
Consultant: Ricondo
Airport: Tampa Executive

Project Description: The purpose of this project is to update the Airport Master Plan for Tampa Executive Airport (VDF). The update is needed to reassess future projections of airport activity, identify options to capitalize on the Authority’s real estate holdings, define optimal uses for airport property and adjacent land parcels, evaluate the airfield geometry for compliance with FAA AC 150/5300-13A, Change 1, address new environmental and other regulatory constraints, and plan for an appropriate mix of land users to support projected aviation and non-aviation needs.

Project Status: Ricondo assisted the Authority with the establishment of a vision plan for Tampa Executive Airport (VDF). This effort will build on the VDF Master Plan Update (MPU) preplanning tasks that were completed in the fall/winter 2019/2020, which resulted in the development of three possible development strategies for the Airport. In August 2021, Ricondo presented Airport development strategies to the Executive Team and the strategies were unanimously approved, allowing the Master Planning process to begin.

#6745 21 Wildlife Management Program – Phase 1

Substantial Completion: March 2023
Current Budget: \$639,300
Consultant: APTIM/Blue Wing Environmental
Contractor: N/A
Airport: Tampa International

Project Description: The purpose of this project is deliver a multi-phase comprehensive program that will update and improve Tampa International Airport’s existing airport wildlife management program to ensure long-term compliance with 14 CFR §139.337 – Wildlife Hazard Management.

Project Status: The Wildlife Hazard Assessment is entering its 9th month of surveys. On-site and off-site fixed point wildlife observations and quarterly terminal/ramp inspections have been conducted by Blue Wing. On July 9, 2021, the project team held a mid-year meeting to review the 6-month data collection summary and discuss the remaining project tasks and schedule. In the first 6 months of data collection, there were 19,771 animals counted with gulls (2,637) being the most numerous group of birds counted. Monthly motion detection wildlife camera images from various locations on the AOA, continued to be collected. Interviews with airport stakeholders will be conducted in September and October as well as the fall mammal trapping event. Data collection will be complete in November. The Draft WHA report will be submitted to HCAA in mid-January 2022.

#6820 21 IT FY21 Capital Commodity Plan

<i>Substantial Completion:</i>	September 2021
<i>Current Budget:</i>	\$1,500,000
<i>Consultant:</i>	N/A
<i>Contractor:</i>	N/A
<i>Airport:</i>	Tampa International

Project Description: The purpose of this project is to purchase IT equipment and other associated ancillary items in a phased refresh cycle to ensure the stability and reliability of the Authority technology infrastructure.

Project Status: The project has procured approximately 80% of the FY 21 equipment and is within budget and on schedule. This project may be extended by three months due to the large resource requirements associated with the current SkyCenter implementations.

#6835 21 Baggage Belt LED Replacement

<i>Substantial Completion:</i>	June 2022
<i>Current Budget:</i>	\$1,200,000
<i>Consultant:</i>	RS&H
<i>Contractor:</i>	JOC (Johnson-Laux)
<i>Airport:</i>	Tampa International

Project Description: The purpose of this project is to replace the current rectangular shaped 43-inch monitors that are located above the baggage claim belt tips that display the flight number and the originating city of the bags being delivered on that belt.

Project Status: The project has currently been put on pause in order to coordinate with the FY22 baggage level ceiling project. The project will be included into a larger FY22 Baggage Claim Level Ceiling Replacement project.

#6875 21 Employee Bus Replacement

AIP 03-12-0078-73-2021

<i>Substantial Completion:</i>	August 2023
<i>Current Budget:</i>	\$5,492,000
<i>Consultant:</i>	RS&H
<i>Contractor:</i>	TBD
<i>Airport:</i>	Tampa International

Project Description: The purpose of this project is to replace the employee bus fleet for the service user of the North Employee Lot. It will be a mix of leased diesel buses (O&M) along with the purchase of four electric buses.

Project Status: The Authority's Technical Evaluation team completed the qualifications review on both respondents and negotiated the terms and pricing. The contract will be awarded at the September Board meeting. The charging station siting analysis and layout began in August and design will be complete in early 2022.

#8410 21 TPA Real Estate Development

Substantial Completion: September 2022
Current Budget: \$250,000
Consultant: RS&H
Contractor: TBD
Airport: Tampa International

Project Description: The purpose of this project is a multi-year project of on-call development support services, planning, preliminary engineering, design and construction for the future commercial development of various locations.

Project Status: Task No. 1 consisted of a plan in the Drew Park area to restrict access on private roads to discourage illegal dumping on the Authority property. Task No. 2 consisted of the development of a conceptual site layout for a potential future hangar facility located in the Eastside Development Area.

II. Projects in Design

#5985 13 Commercial Real Estate Development – Preliminary Planning & Design

Substantial Completion: May 2021
Current Budget: \$3,625,000
Consultant: Stantec
Airport: Tampa International

Project Description: The scope of this project is to assist the Authority with investigating the possibility of a multi-phase, multi-year plan to subdivide and develop TPA’s available/underutilized properties for future facilities in order to meet demand forecast for commercial real estate. This project also includes the development of the project manual for the SkyCenter (formerly the Gateway Development Area) office complex.

Project Status: The vacating of roadways and curing title issues and easements in the Eastside Development Area has been completed. Funding is included for the oversight of projects being constructed by other companies, such as CAE’s new USA Headquarters complex. The consultant’s efforts are also tied to projects 8225 17 and 8226 17. SkyCenter One has reached Substantial Completion, therefore, work in support of this project is winding down. The contract with Stantec has reached its end. Stantec will be completing work progress, no additional work will be added to their contract.

#6500 17 HCAA Enterprise Geographical Information System (eGIS) and Asset Management Program

Substantial Completion: March 2022
Current Budget: \$1,586,000
Consultant: Environmental Systems Research Institute (Esri)
Airport: Tampa International

Project Description: The scope of this project is to implement an enterprise Geographical Information System (eGIS) based on the data delivered in the AGIS Project, and make functional use of it within the Authority as mandated by the FAA for all airports. This project will also implement an asset management system for the use of Operations and Maintenance departments to use in daily inspections.

Project Status: Height Zoning and Land Use Management received and accepted the updated Part 77 data. Staff are now using this updated data in GIS maps for height zoning permit analysis and approvals. Support and coordination with Ricondo for the update of the Exhibit A and Airport Layout Plan (ALP) GIS data sets is continuing. Work will start in October on the task to develop FME Safe software tools and procedures.

#6750 21 Pavement Rehabilitation

FDOT F.M. #438715-1

Substantial Completion: February 2022
Current Budget: \$2,792,900
Consultant: RS&H
Contractor: TBD
Airport: Tampa International

Project Description: The purpose of this project is to repair, rehabilitate, or replacement of damaged or worn-out pavements throughout the airfield with a focus on asphalt pavements.

Project Status: The final submittal for the bidding documents was received on July 16, 2021 and the project is currently in the bidding phase. Bids are due on September 29, 2021.

#6755 21 STPG, Tug Tunnels, & Quad Decks Rehabilitation

Substantial Completion: September 2022
Current Budget: \$2,247,000
Consultant: Walker Consultants
Contractor: TBD
Airport: Tampa International

Project Description: The purpose of this project is to rehabilitate and extend the life of the Short Term Parking Garage.

Project Status: The 100% design submittal was received on August 2, 2021 and was reviewed by staff.

#6780 21 Main Terminal Elevator Modernization

FDOT F.M. #438709-1

Substantial Completion: November 2022
Current Budget: \$7,455,000
Consultant: N/A
Contractor: Schindler Elevator Company
Airport: Tampa International

Project Description: The purpose of this project is to rehabilitate the twenty-four geared traction Landside elevators including replacing the existing geared traction machines with new FMM200 Modular Gearless Machines and cab modernizations of the twenty-four elevators.

Project Status: Long-lead items have been ordered and construction is scheduled to commence in September 2021.

**#6785 21 Common Shared Use Passenger Processing System (C/SUPPS) – Phase 3
FDOT F.M. #438715-1**

Substantial Completion: July 2022
Current Budget: \$2,775,000
Consultant: RS&H
Contractor: TBD
Airport: Tampa International

Project Description: The purpose of this project is to provide C/SUPPS for additional airlines, gates, ticket counters, and required technology. Phase 3 deployment will be limited to portions of the Airside, Main Terminal Ticket Level, and Airline operational space.

Project Status: The 30% design submittal was received in July 2021. The 60% design submittal is scheduled for September 27, 2021. The construction scope will be a low bid and is currently anticipated to be awarded at the March 2022 Board meeting.

#6855 21 Main Terminal Complex Structural Envelope Restoration

Substantial Completion: August 2022
Current Budget: \$2,439,000
Consultant: Walker Consultants
Contractor: TBD
Airport: Tampa International

Project Description: The purpose of this project is to conduct restoration on building envelope of each Airside building and the Main Terminal to extend the service life of the building envelopes.

Project Status: The bids were received on July 28, 2021 and were reviewed. The project will be awarded at the September Board meeting.

#6860 21 Airside Guideways & Bridges Rehabilitation

Substantial Completion: September 2022
Current Budget: \$2,497,800
Consultant: Walker Consultants
Contractor: TBD
Airport: Tampa International

Project Description: The purpose of this project is to rehabilitate each of the four Airside guideways and also the Taxiway B bridge and a Service Road bridge to extend the service life.

Project Status: The final submittal for bid documents was made on July 14, 2021 and the project is in the bidding phase. Bids are due on September 1, 2021.

#6865 21 Part 139 Airfield Improvements

AIP #03-12-0078-069-2021

Substantial Completion: May 2022
Current Budget: \$4,563,600
Consultant: RS&H
Contractor: Astra Construction Services, LLC
Airport: Tampa International

Project Description: The purpose of this project is to address certain Part 139 deficiencies identified by the FAA as part of their annual Part 139 inspection.

Project Status: The construction contract was awarded at the August Board meeting.

#8240 19 Air Cargo Expansion

FDOT F.M. #442095-1

Substantial Completion: TBD
Current Budget: \$69,901,300
Design-Builder: Currier TK/The Middlesex Corporation
Airport: Tampa International

Project Description: The scope of this project is the development of new air cargo facilities in the East Development Area and will include cargo facilities, site development, taxilanes, taxiways, aircraft parking aprons, ground service equipment storage areas, landside roadway access improvements, aircraft fueling facilities and trailer staging areas.

Project Status: The Part 2 GMP was provided to the Authority in May 2020. Due to the impacts from COVID-19, the Air Cargo Expansion project was deferred until required as an enabling project for new Airside D construction.

In the near term, this project will fund the construction of a new Truck Rack Fueling System located at the fuel farm on the behalf of the Tampa Fuel Committee. The estimated cost of this work is \$2,380,000. The construction phase has commenced. The contractor started underground utility work and site civil and grading work.

#8315 20 Monorail System Replacement

FDOT F.M. #446919-1

<i>Substantial Completion:</i>	March 2023
<i>Current Budget:</i>	\$33,530,000
<i>Design-Builder:</i>	Manhattan
<i>Airport:</i>	Tampa International

Project Description: The purpose of this project is to install moving walkways on Level 4 of the Long Term Parking Garage and decommission the existing Monorail System running between the Long Term Parking Garage and the Short Term Parking Garage. Level 4 of the Long Term Parking Garage will also be modified to create a Premium Parking Product, providing guests with an option of enhanced amenities.

Project Status: The Part 2 Contract for the Moving Sidewalks was awarded at the August Board meeting and the Notice to Proceed was subsequently issued to Manhattan.

The remaining element of the project, consisting of the Monorail System Demolition, is scheduled for a February 2022 supplemental Part 2 Board award. The 60% design submittal was delivered in July 2021 and the 90% design submittal is currently under development and scheduled for delivery in September 2021.

#8330 20 North Remain Overnight (RON) Parking Apron

FDOT F.M. #446920-1

<i>Substantial Completion:</i>	TBD
<i>Current Budget:</i>	\$23,118,800
<i>Consultant:</i>	Kimley-Horn and Associates, Inc.
<i>Contractor:</i>	TBD
<i>Airport:</i>	Tampa International

Project Description: The purpose of this project is to build a Remain Overnight (RON) parking area for up to 12 aircraft and a Ground Service Equipment storage area north of Taxiway A.

Project Status: Design professional services commenced on October 1, 2019. The 90% design documents were submitted on March 31, 2020. This project was deferred due to the COVID-19 pandemic and will be coordinated with the timing of the Airside D program.

**#8420 21 Airside A and C Shuttle Car and Control System Replacement
FDOT F.M. #447220-1, #448026-1**

Substantial Completion: February 2022
Current Budget: \$13,577,700
Consultant: Alstom (Bombardier Technologies)
Contractor: Lavandera
Airport: Tampa International

Project Description: The purpose of this project is to replace the system wide shuttle train control system (Phase 1) and the associated eight total shuttle cars at Airsides A and C (Phase 2) in a multi-phased, multi-year approach. The new shuttle cars is a FY22 initiative and will be an update/increase to the current project budget.

Project Status: Lavandera (electrical sub) has been on-site continuing to make progress on the installation of the infrastructure upgrades, including the installation of conduit in the new SkyCenter Data Center/AOC. Alstom (formerly Bombardier) is procuring the system components and factory testing of the system is scheduled for October 2021.

Negotiations with Alstom for the purchase of new shuttle cars and signaling are still underway. This work is anticipated to be presented at the November Board meeting.

**#8805 17 Airport Security System Replacement (ASSR) – Design Only
AIP 03-12-0078-65-2019; FDOT F.M. #425920-2**

Substantial Completion: September 2018
Current Budget: \$2,785,000
Design-Builder: The Beck Group
Airport: Tampa International

Project Description: The scope of the project is to study and design a new Airport Access Control (AAC) and Closed Circuit Television (CCTV) system for the airport. Additionally, a Security Master Plan will be developed.

Project Status: The design for this project is complete. The construction for this project is being conducted per project 8320 19.

III. Projects Undergoing Construction/Implementation

#5382 16 Site Rehabilitation

Substantial Completion: September 2021
Current Budget: \$1,270,000
Consultant: APTIM
Contractor: Astra Construction Services
Airport: Tampa International

Project Description: The scope of this project is to ensure that the subsurface site conditions at the South Terminal Support Area (STSA) meet environmental requirements and industry standards for commercial redevelopment.

Project Status: At the former Rental Car site, FDEP issued the final closure order in August. At eleven state cleanup petroleum facilities, FDEP and their agency term contractors are continuing to perform various phases of drilling, testing, and reporting under FDEP's Limited Site Assessment programs.

#5615 18 Airsides A and F Air Handler Replacement

Substantial Completion: August 2021
Current Budget: \$2,817,000
Consultant: RS&H
Contractor: Caladesi Construction Co. / Bernhard MCC
Airport: Tampa International

Project Description: The scope of this project includes replacing the air handling units (AHU) at Airside F and the outdoor air handling units at Airside A with new modular, high efficiency units, variable frequency drives and upgraded controls, and auxiliary equipment.

Project Status: The majority of the AHU's have been replaced in both air handler rooms.

Airside F: The project is expected to be substantially complete mid-September.

#5991 14 Checked Baggage System Upgrades & Optimization
FDOT F.M. #429607-1, 428057-2

Substantial Completion: November 2021
Current Budget: \$52,559,300
Consultant: Corgan Associates, Inc.
Contractor: Hensel Phelps Construction
Airport: Tampa International

Project Description: The scope of this project provides for the design and construction of the checked baggage system upgrades and optimization. The project includes all necessary facility modifications required for the reconstruction and optimization of the Checked Baggage Inspection System (CBIS) to include changes to baggage conveyors systems, programming, mechanical, plumbing, electrical, structural, telecommunications, and other infrastructure as necessary.

Project Status:

Airside C: A significant portion of the mechanical and electrical systems have been installed. Most all of Baggage Handling System (BHS) components (i.e., catwalks, conveyors, peripheral devices) have been installed with the BHS conveyor tie-ins between old and new are on-going. High and low level controls updates are being made. Inspection and testing of BHS sections (“test loops”) are ongoing. Testing and commissioning of the EDS machines has been completed. Due to the Pandemic delays have been encountered with consultant not being able to travel to the site.

A-Sort Building: A significant portion of the mechanical and electrical systems have been installed. Most all of Baggage Handling System (BHS) components (i.e., catwalks, conveyors, peripheral devices) have been installed with the BHS conveyor tie-ins between old and new are on-going. High and low level controls updates are being made. Inspection and testing of BHS sections (“test loops”) are ongoing. Testing and commissioning of the EDS machines has been completed.

Main Terminal: No construction activities currently taking place.

#6155 14 & #6156 15 Replace Parking Revenue Control System – Phase I & Phase II

Substantial Completion: March 2020
Current Budget: \$14,916,600
Design-Builder: Manhattan Construction
Airport: Tampa International

Project Description: The scope of the project is to develop and deploy a new Parking Access Revenue Control System (PARCS) to consolidate all relevant parking and commercial vehicle operations into one fully functional management platform. Included in the project scope is a parking count by level system, license plate recognition, LED signage integration, SunPass Plus, and reconfiguration of the exit plaza for short and long term parking.

Project Status: New touch screens and touchless sensors were installed to facilitate touchless ticket dispensing. Labeling standards are being evaluated for inclusion in new graphic wraps being installed.

#6157 16 Replace Parking Revenue Control System – Phase III

Substantial Completion: March 2020
Current Budget: \$5,430,500
Design-Builder: Manhattan Construction
Airport: Tampa International

Project Description: The scope of this project is to deliver ground transportation system (GTS) software including an automatic vehicle identification (AVI) system. The project also includes a parking count by level parking guidance system (PGS) for the Long Term Parking Garage.

Project Status: The online booking system is in development.

#6165 19 Airfield Maintenance Equipment Storage Building Addition

Substantial Completion: January 2021
Current Budget: \$1,968,400
Consultant: RS&H
Contractor: E&L Construction Group
Airport: Tampa International

Project Description: The scope of this project is to design and construct a new 10,000 sf storage building adjacent to the existing Airfield Maintenance Facility. The new storage building addition will house a new car/truck wash replacement, an equipment wash area and storage area for maintenance equipment.

Project Status: Installation of the pre-engineered metal building and the carwash are complete. Asphalt paving is complete and contractor to address areas of identified deficiencies. Final inspections and issuance of the Certificate of Substantial Completion are expected in early September.

#6495 17 TEA Access Control System Upgrades

FDOT F.M. #429617-1

Substantial Completion: August 2021
Current Budget: \$1,204,400
Consultant: RS&H
Contractor: Foresight
Airport: Tampa Executive

Project Description: The scope of this project is to upgrade the existing system or provide a newer system along with expanded coverage to include the perimeter vehicle gates which currently operate as standalone systems. This expansion will provide a single airport wide system that can control and monitor all secure area access points locally or from a remote location such as the Airport Operations Center at Tampa International Airport.

Project Status: During this period, the contractor installed security card/key pads in the VDF Terminal Building and VDF perimeter vehicle gates. Complete system will be online and project will be substantially complete in mid-September.

#6530 18 North Air Cargo Facility Redevelopment

Substantial Completion: TBD
Current Budget: \$1,150,000
Consultant: RS&H
Contractor: Astra Group Inc.
Airport: Tampa International

Project Description: The scope of this project is to provide temporary cargo operations space. In addition, the North Cargo Road will be widened and some airfield lighting will be added under this project.

Project Status: The project has been de-scoped to provide only interim air cargo support as required until new air cargo facilities are completed. To date this support has included roadway widening to support larger cargo equipment utilizing the roads between the North Air Cargo building and Hardstand D.

#6535 19 Parkway and Service Road Asphalt Pavement Rehabilitation

FDOT F.M. #432974-1

Substantial Completion: February 2022
Current Budget: \$4,176,700
Design-Builder: Cone & Graham, Inc.
Airport: Tampa International

Project Description: The scope of this project is to rehabilitate asphalt roadway pavement consisting of the inbound and outbound George J. Bean Parkway, sections of the Bessie Coleman Boulevard Service Road, and other areas such as ticket/toll plazas asphalt pavement which are showing signs of deterioration and age. This project will be designed and constructed in conjunction with Master Plan Phase 2 project #8235 18 Widen and Rehabilitate the George Bean Parkway and New Economy Parking Road Exit, so that the design and construction are fully coordinated and timed, thereby, combining the extent of operational impacts.

Project Status: Notice to Proceed was issued on October 11, 2019 as part of the Master Plan Phase 2 project 8235 18. Asphalt pavement rehabilitation work consisting of asphalt milling and overlay is currently scheduled for July to December of 2021.

#6595 19 Short Term Parking Garage Helix Lighting Replacement

Substantial Completion: TBD
Current Budget: \$546,600
Consultant: RS&H
Contractor: TBD
Airport: Tampa International

Project Description: The scope of this project is to rehabilitate the existing lights in the parapet walls and ceiling on the up and down helixes.

Project Status: The project has been deferred for cost cutting measures due to COVID-19.

**#6615 19 Fire Suppression Tank Rehabilitation
FDOT F.M. #435233-1**

Substantial Completion: Aug. 2021
Current Budget: \$519,400
Consultant: RS&H
Contractor Johnson-Laux
Airport: Tampa Executive

Project Description: The scope of this project is to rehabilitate the fire suppression systems at Hangars 3700/3800 and 4800. Work will include cleaning and repair of existing fire pump, lines and screen; repair/replacement of the fire pump controllers and tank bladder replacement.

Project Status: The Notice to Proceed was issued on June 11, 2021. The mobilization phase is complete and the contractor has begun replacement of the fire suppression equipment at buildings 3700, 4700, 4800. The project scope will be slightly expanded by Change Order to approve replacement of additional equipment found to be defective during demolition.

#6650 19 Mother’s Nursing and Service Animal Relief Areas

Substantial Completion: February 2022
Current Budget: \$1,952,000
Consultant: RS&H
Contractor Foresight
Airport: Tampa International

Project Description: The scope of this project is to provide new customer service amenities in compliance with current codes and FAA Circular(s). The amenities will include Mother’s Nursing Rooms, Service Animals Relief Areas (SARAs), Water Bottle Stations, and Water Dump Stations.

Project Status: The four Main Terminal Service Animal Relief Areas opened on September 9, 2020, along with the Main Terminal, Airside E, and Airside F Mother’s Nursing Rooms. Airside A Mother’s Nursing Room will open when the restrooms on Airside A south reopen. The Airside C Mother’s Nursing Room will be constructed along with the renovation of the Airside C north restroom.

#6685 20 Long Term Parking Garage Elevator Rehabilitation

Substantial Completion: September 2021
Current Budget: \$4,840,000
Contractor: Schindler Elevator Company
Airport: Tampa International

Project Description: The purpose of this project is to rehabilitate the elevator equipment installed in the Long Term Parking Garage (LTPG). Each of the four elevators in the four elevator banks of the LTPG will get new control systems, new microprocessor AC drives, and replace existing gear machines with new Schindler Modular Gearless, FMM-200 Machines.

Project Status: In July and August Schindler was working on the final 4 elevator cars of the Long Term Parking Garage (Charles Lindberg cars 5 & 6 and Tony Jannus cars 9 & 10) when they discovered a bad/damaged part for the last car (Tony Jannus car9) that will delay the project until November 2021. Charles Lindberg cars 5 & 6 and Tony Jannus car 10 will be completed in September.

#6710 20 EFSO (Emergency Fuel Shut Off)

Substantial Completion: April 2021
Current Budget: \$1,021,749
Design-Builder: Currier TK
Airport: Tampa International

Project Description: The scope of this project is to upgrade the Emergency Fuel Shut Off (EFSO) systems at Airsides A, C, and E.

Project Status: Construction phase continued in July and August. Substantial completion is scheduled for July 2021.

#7054 12 Airport Support Area Environmental Remediation Phase 6

Regulatory Completion: September 2021
Current Budget: \$5,000,000
Consultant: AECOM and APTIM
Contractor: AECOM Technical Service
Airport: Tampa International

Project Description: The scope of this project includes soil and groundwater remediation for properties located in the Drew Park Area.

Project Status: At Parcel 6002, the long-term monitoring program continued. APTIM and the Authority are preparing final closeout packages for submittal to FDEP to meet the requirements of the Drew Park Voluntary Cleanup Agreement.

#8225 17 SkyCenter Development Area FDOT Multimodal Grant F.M. #444181-1

Substantial Completion: February 5, 2021
Current Budget: \$81,937,120
Consultant: Stantec/Gresham Smith
Contractor: Hensel Phelps Construction
Airport: Tampa International

Project Description: The scope of this project will design and construct the site development to support Authority Facilities in this area and future uses of the South Terminal Support Area (STSA) as defined in the 2012 Master Plan. The Authority Facilities are the remote commercial curb, atrium, and pedestrian walkway linking the office development and remote commercial curb to the ConRAC Facility and SkyConnect APM system allowing direct access to the airport's Main Terminal.

Project Status: The main construction activities in the project are complete. For this period, the main activities consisted of preparation for final building inspections. Elevators, escalators, and moving walkways, all achieved final approval from State inspections and are fully operational. Remaining activities on the project are related to punch list work and final building inspections.

#8226 17 SkyCenter Authority Interior Office Fit-Out

Substantial Completion: January 2022
Current Budget: \$42,381,641
Design-Builder: DPR/Gensler
Airport: Tampa International

Project Description: This project will design and construct the Authority’s interior office fit-out on Levels 3, 4 and 5 within the developer provided new SkyCenter office complex.

Project Status: Wall framing, modifications to the base building mechanical, electrical and plumbing systems continued during the months of July and August. Drywall, raised flooring in the Airport Operations Center, demolition of the demising wall on Level 4, and installation of bkyfold partition steel were in progress during the month of August. Delivery and installation of the Communicating Stairway steel commenced in mid-August.

#8230 18 Main Terminal Curbside Expansion

FDOT F.M. 438753-1

Substantial Completion: December 2021
Current Budget: \$186,581,207
Design-Builder: Hensel Phelps Construction
Airport: Tampa International

Project Description: The scope of this project is to expand the Main Terminal arrivals and departures curbside lanes on both the Blue and Red sides of the terminal and includes the construction of vertical circulation lobbies allowing direct connection to the Main Terminal Transfer Level.

Project Status: Construction on the Blue Side roadway continued with the completion of the elevated roadway concrete. The entry and exit sections continued punch-out and minor barrier wall work. Construction for the Vertical Circulation Building (VCB) continued with the Phase 1 building envelope roofing, curtain wall, and metal panels being installed. Mechanical, electrical, plumbing, and fire protection rough-in’s also continued in the VCB on all three levels. Finishes started inside the bathrooms and in the main building area.

Construction for the Police and Maintenance Building continued with the elevator bank equipment installation starting as the main critical path item. Interior framing, ductwork insulation, plumbing, electrical, drywall, and ceiling installation continued and interior finishes started in area 1 (Maintenance) and shared restrooms.

#8200 18 New FAA Parking Lot
#8205 18 Central Utility Plant (CUP) and Loading Dock Replacement
#8900 18 Demolish Administration Building
FDOT F.M. #438753-1

Substantial Completion: FAA Parking Lot: August 2021
CUP/ESB: October 2021
Loading Dock: October 2021
Current Budget: \$108,591,472
Design-Builder: Hensel Phelps Construction
Airport: Tampa International

Project Description: The scope of these projects is to support the expansion of the curbsides on the Red and Blue sides of the Main Terminal (Project 8230 18). The existing Administration Building and facilities housed within it must be demolished to clear the site for construction of the red curbside improvements. Demolition of the existing Administrative Building will require relocation of Authority administrative offices, constructing a new central utility plant and the reconfiguration of the FAA parking lot.

Project Status: The CUP and cooling towers have been structurally complete as the mechanical and electrical systems continue to be finalized. Systems are being brought online as preliminary start-ups, flushings and testing of the systems are beginning. Exterior facades and lighting are also nearing completion. The Electrical Service Building (ESB) exterior metal panel systems are nearing completion. The Loading Dock work continued with the completion of the concrete and CMU block work. The roof steel and decking have been installed. The freight and service elevator work has started in addition to the completion of the Phase 1 portion of the Marriott parking lot.

#8235 18 Widen and Rehabilitate the George Bean Parkway and New Economy Parking Road Exit
FDOT FM#442344-1

Substantial Completion: February 2022
Current Budget: \$47,379,712
Design-Builder: Cone & Graham, Inc.
Airport: Tampa International

Project Description: The scope of this project is to construct a new 2-lane roadway exit onto the George J. Bean Parkway from the Economy Parking Road, along with improvements to the existing exit from the Airport Service Road. It also includes widening and rehabilitation of segments of the inbound and outbound Parkway from its most southern end to around the Main Terminal Complex. The improvements were determined to be necessary per the Master Plan Update and will accommodate the increased traffic generated from the SkyCenter development located in the South Terminal Support Area.

Project Status: Work for the new Economy Parking Road exit is currently projected for completion by August 27, 2021 and the widening and rehabilitation of the George J. Bean Parkway is currently projected for completion by December 13, 2021. Paving and other road widening work for both the inbound and outbound George J. Bean Parkway continued, as well as drainage, paving, and other road widening for the Economy Parking Road. Several new overhead sign trusses along the Inbound Parkway were completed during this period.

#8300 20 Airside A, C, and F Restroom Renovations

Substantial Completion: January 2023
Current Budget: \$15,647,500
Design-Builder: The Beck Group
Airport: Tampa International

Project Description: The purpose of this project is to refurbish the boarding level public restrooms and companion restrooms at Airside C and Airside F and the ramp level at Airside A. In addition, the Airside C south restrooms will be expanded to accommodate additional needs and may also include an addition to the Airside C building required to house offices displaced by the expansion of the restrooms. This project is a planned maintenance refurbishment of these public restrooms.

Project Status: The contractor completed and turned over Airsides A and Airside F west restrooms. The contractor continued the buildout of Airside C north and Airside F east restrooms. During this period at Airside F east, the contractor completed all framing, electrical rough-in, plumbing rough-in, HVAC rough-in, and drywall. At the Airside C north restroom, the contractor continued framing, installation of the structural steel, electrical rough-in, and plumbing rough-in. Additional activities included turnover of the Charter Lounge restrooms to be used by the general public to add restroom occupancy to the Airside.

#8405 20 Airside A Boarding Bridges, PCA AHU and GPU Replacement

AIP #03-12-0078-71-2021; FDOT F.M. #436834-1

Substantial Completion: July 2022
Current Budget: \$22,645,500
Design-Builder: Aero/Manhattan
Airport: Tampa International

Project Description: This project consists of the design and installation of new Passenger Boarding Bridges (PBBs), Pre-Conditioned Air and Air Handling Units (PCA-AHUs) and Ground Power Units (GPUs) at fifteen gates at Airside A, which includes reusing thirteen PBB AHUs and adding two PBB AHUs at Gates A3 and A10. A survey and analysis of a new parking layout to accommodate the current fleet mix will be required, including existing lead-in lines, stop bars, safety areas, hurricane tie-downs, and hydrant fuel locations. An inventory of the current and proposed fleet mix will also be necessary.

Project Status: Notice to Proceed (for construction) was issued on August 2, 2021. The Authority has issued multiple Purchase Orders for owner direct purchase (ODP) of the boarding bridges, bag slides, control equipment, and air handlers. The mobilization phase is complete and the contractor will begin construction beginning at Airside A10 in early September. In addition to replacement of the boarding bridges, the work will include relocation of one existing fueling pit.

#8705 19 Purchase Additional SkyConnect Trains

<i>Substantial Completion:</i>	July 2021
<i>Current Budget:</i>	\$13,168,000
<i>Consultant:</i>	Lea & Elliot
<i>Contractor</i>	Mitsubishi Heavy Industries of America (MHIA)
<i>Airport:</i>	Tampa International

Project Description: The scope of this project is to purchase two additional Mitsubishi APM trains (i.e., four cars) for the SkyConnect system, which are needed to provide additional capacity to support an increased passenger traffic.

Project Status: The new trains arrived on February 16, 2021. MHIA has commissioned the new vehicles and issued the safety certification. They are currently in the system demonstration phase, which is the final phase of the project. The system demonstration was restarted in August. Substantial Completion is now estimated to be September 2021.

IV. Projects Substantially Complete

#6475 19 Main Terminal Ticket Level Interior Refurbishment

	<u>Initial</u>	<u>Estimated Final</u>
<i>Substantial Complete:</i>	September 21, 2020	November 16, 2020
<i>Board Approved Budget:</i>	\$6,570,000	
<i>Re-baseline Budget:</i>	\$8,270,000	\$6,318,700
<i>Design Amendments:</i>	0	
<i>Construction Change Orders:</i>	2	(\$1,298,217)
<i>D/W/MBE:</i>		
<i>Design:</i>	12.5%	17.2%
<i>Construction:</i>	19.7%	29.7%
<i>Design-Builder:</i>	DPR	
<i>Airport:</i>	Tampa International	

Project Description: The purpose of this project was to refurbishment of the Main Terminal Ticket level and the establishment of a new design standard to enable signature carriers to enhance their respective brands while maintaining an overall aesthetically pleasing and consistent design style.

Project Performance: The Board approved budget was increased by \$1,700,000 due to design changes with the lighting, ceilings and soffit removal. The final cost estimates are projected to be \$1,951,300 under the revised budget due to efficiencies in construction resulting from reduced traffic levels, lower than anticipated design fees, unused construction contingency, reduced in house design and inspection hours, and lower technology costs. The final change order returned unused Owner’s Allowance, sub-contractor buy-out savings and lower General Conditions.

#6665 19 Baggage Claim Video Walls Technology Refresh

	<u>Initial</u>	<u>Estimated Final</u>
<i>Substantial Complete:</i>	May 31, 2021	May 31, 2021
<i>Board Approved Budget:</i>	\$1,500,000	
<i>Re-baseline Budget:</i>		\$1,499,555
<i>Design-Builder:</i>	AVI-SPL/Corbin Design Group, LLC	
<i>Airport:</i>	Tampa International	

Project Description: The scope of this project is to replace the four video walls in the baggage claim area. These video walls are currently comprised of twelve 46” monitors and would be replaced by a solid LED canvas. The balance of the screens will be replaced in 2020.

Project Performance: The project was completed on time and on budget.

#8825 18 New Taxiway A and Bridge

	<u>Initial</u>	<u>Estimated Final</u>
<i>Substantial Complete:</i>	August 25, 2020	May 21, 2021
<i>Board Approved Budget:</i>	\$57,840,000	
<i>Re-baseline Budget:</i>		\$50,873,783
<i>Design Amendments:</i>	N/A	
<i>Construction Change Orders:</i>	9	\$(6,069,321.86)
D/W/MBE		
<i>Design:</i>	32.6%	37.6%
<i>Construction:</i>	11.1%	11.4%
<i>Consultant:</i>	AECOM	
<i>Contractor:</i>	GLF Construction	
<i>Airport:</i>	Tampa International	

Project Description: The purpose of this project was to design and construct a new crossfield Taxiway A from Runway 1L-19R/Taxiway V to Runway 1R-19L/Taxiway C north of and parallel to existing crossfield Taxiway B.

Project Performance: This project was part of the Phase 2 Master Plan. The final estimated costs are \$6,966,217 under the Board Approved budget. This variance was primarily due to the competitive bidding process, which allowed the contingency to be reduced by \$5,026,000, lower design fees, reduced in house design / inspection costs and final quantities for the constructed project. The project was completed 9 months later than the initial schedule due to the design and construction duration being longer than original anticipated.

#8310 19 Main Terminal Drive Lanes Ceiling Replacement

	<u>Initial</u>	<u>Estimated Final</u>
<i>Substantial Complete:</i>	November 1, 2022	July 30, 2021
<i>Board Approved Budget:</i>	\$11,346,300	
<i>Re-baseline Budget:</i>	\$11,757,900	\$11,757,900
<i>Design Amendments:</i>	N/A	N/A
<i>Construction Change Orders:</i>	05	\$351,035.79
D/W/MBE		
<i>Design:</i>	N/A*	N/A*
<i>Construction:</i>	N/A*	N/A*
<i>Design-Builder:</i>	Hensel Phelps Construction	
<i>Airport:</i>	Tampa International	

Project Description: The scope of this project was to replace the ceiling and lighting over the Main Terminal arrivals and departures drive lanes and included the addition of fire protection. In addition to the original scope, work orders were issued to include review, evaluation, design, engineering, and repair of the above ceiling areas on the Blue and Red side departure and arrival roadways that were previously concealed by the existing ceiling system.

Project Performance: The Board approved budget was increased by \$411,600 due to the addition of new drive lane signage and work associated with accommodating the future Airside D baggage conveyor system located above the Red Side departure level ceilings. This was partially offset by savings negotiated in the GMP. The project is expected to utilize all of the budgeted funds.

The project reached Substantial Completion fifteen months earlier than the initial schedule due to efficiencies in constructing the project under one contract rather than two independent contracts as originally anticipated.

*WMBE goals and achievement included as part of the Main Terminal Curbside Expansion project