

Capital Improvement Project Status Report

September and October 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 noise contours ready for the Public outreach was completed in October with submission of the final report to FAA scheduled for December. The FAA is expected to approve the study in the first quarter of 2022.

#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 is substantially complete and will closeout at the January Development Committee meeting.

#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 was deferred to a future fiscal year as a cost cutting measure due to COVID-19 impacts. The project is now included as part of the much larger design-build procurement for 8430 22 Baggage Claim Level Ceiling Replacement project. However, it will continue to be tracked and reported on separately as the original 6715 20 project number.

#6740 20 Tampa Executive Airport Master Plan Update

<i>Substantial Completion:</i>	TBD
<i>Current Budget:</i>	\$650,000
<i>Consultant:</i>	Ricondo
<i>Airport:</i>	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. Ricondo is finalizing the scope to allow this work to fit in with TPA's Master Plan Update.

#6745 21 Wildlife Management Program – Phase 1

<i>Substantial Completion:</i>	March 2023
<i>Current Budget:</i>	\$639,300
<i>Consultant:</i>	APTIM/Blue Wing Environmental
<i>Contractor:</i>	N/A
<i>Airport:</i>	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.

#6765 22 General Aviation Facilities Rehabilitation

Substantial Completion: September 2023
Current Budget: \$3,997,000
Consultant: RS&H
Contractor: TBD
Airport: Peter O. Knight (TPF), Tampa Executive (VDF), & Plant City (PCM)

Project Description: The purpose of this project is to extend the useful life of various hangars and facilities at all three General Aviation (GA) airports exhibiting signs of deterioration which warrants rehabilitation and to maintain the high standard of facilities provided by the Authority to its tenants.

Project Status: The Board approved the project at the September Board meeting and is scheduled to commence with design in early November.

**#6800 22 Replace Airfield Perimeter Fence
FDOT F.M. #448841-1**

Substantial Completion: October 2024
Current Budget: \$11,606,000
Consultant: TBD
Contractor: TBD
Airport: Tampa International

Project Description: The purpose of this project is the replacement of existing airfield perimeter fence with new fence including wildlife exclusion barriers and access control upgrades.

Project Status: The Board approved the project at the September Board meeting. An RFQ is being developed to procure a design professional for this project and will be advertised in November 2021.

#6820 21 IT FY21 Capital Commodity Plan

Substantial Completion: September 2021
Current Budget: \$1,500,000
Consultant: N/A
Contractor: N/A
Airport: 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 most of the required equipment but supply chain delays has caused this to be extended out. A schedule change will go to the Development Committee in November.

#6835 21 Baggage Belt LED Replacement

Substantial Completion: June 2022
Current Budget: \$1,200,000
Consultant: TBD
Contractor: TBD
Airport: 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 was put on pause in order to coordinate with the FY22 baggage level ceiling project. The project is now included as part of the much larger design-build procurement for 8430 22 Baggage Claim Level Ceiling Replacement project. However, it will continue to be tracked and reported on separately as the original 6835 21 project number.

#6890 22 Landside Airline Space Rehabilitation

Substantial Completion: August 2022
Current Budget: \$298,600
Consultant: TBD
Contractor: TBD
Airport: Tampa International

Project Description: The purpose of this project is to refurbishment of the airline ticket counter, office spaces, break rooms, and baggage service office located within the Main Terminal.

Project Status: The Board approved the project at the September Board meeting.

#6895 22 FedEx Roof Replacement & Exterior Rehabilitation

Substantial Completion: May 2023
Current Budget: \$3,751,500
Consultant: Walker
Contractor: TBD
Airport: Tampa International

Project Description: The purpose of this project is an installation of a new roof on the FedEx Cargo facility and the rehabilitation of additional building envelope components.

Project Status: The Board approved the project at the September Board meeting and is scheduled to commence with design in early November.

#6910 22 LTPG Level 6 Rehabilitation & Stair Tower/Elevator Penthouse Roof Replacement

Substantial Completion: August 2023
Current Budget: \$3,161,000
Consultant: Walker
Contractor: TBD
Airport: Tampa International

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

Project Status: The Board approved the project at the September Board meeting and is scheduled to commence with design in early November.

#6915 22 Master Plan Update 2022

FDOT F.M. #444775-1

Substantial Completion: September 2023
Current Budget: \$4,159,000
Consultant: Ricondo
Contractor: TBD
Airport: Tampa International

Project Description: The purpose of this project is update the Airports Master Plan. The Federal Aviation Administration (FAA) recommends that airports update their Master Plans at least every five to ten years or when there has been a significant shift in operations or business model. The last update was the 2012 Master Plan with a 2016 Addendum.

Project Status: The Board approved the project at the September Board meeting and it commenced on October 4, 2022.

#6920 22 IT FY22 Capital Commodity Plan

Substantial Completion: September 2022
Current Budget: \$1,500,000
Consultant: TBD
Contractor: TBD
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 Board approved the project at the September Board meeting. Because of supply chain delays, no equipment has been procured at this point.

#6925 22 CCTV Server and Storage Refresh

Substantial Completion: April 2022
Current Budget: \$1,290,000
Consultant: TBD
Contractor: TBD
Airport: Tampa International

Project Description: The scope of this project is to replace the servers and storage arrays for the CCTV system.

Project Status: The Board approved the project at the September Board meeting. Replacement CCTV Archiver servers have been ordered. Once delivered and installed the process to start migrating from the existing system will begin. Replacement storage has been installed and configured and is ready for migration.

#6930 22 LTPG Elevator Room A/C Replacement

Substantial Completion: January 2023
Current Budget: \$436,200
Consultant: RS&H
Contractor: TBD
Airport: Tampa International

Project Description: The scope of this project is to replace the air conditioning units in the elevator equipment rooms in the Long Term Parking Garage.

Project Status: The Board approved the project at the September Board meeting and is scheduled to commence with design in early November.

#6935 22 East & West Vault Emergency Generator & Switch Replacement

Substantial Completion: November 2022
Current Budget: \$752,200
Consultant: RS&H
Contractor: TBD
Airport: Tampa International

Project Description: The scope of this project is to replace the 1990s' vintage generators and automatic transfer switches in the east and west airfield lighting vaults that have reached the end of their lifecycle.

Project Status: The Board approved the project at the September Board meeting. A change in approach has been identified utilizing a SourceWell government contract to procure the materials and services, as opposed to a design-bid process. This should shorten the schedule and reduce the design and construction cost. The project team is working with the SourceWell vendor and RS&H to refine the scope and pricing.

**#6945 22 Tampa Executive Airport Chiller System Replacement
FDOT F.M. #436809-1**

Substantial Completion: August 2022
Current Budget: \$609,100
Consultant: RS&H
Contractor: TBD
Airport: Tampa Executive

Project Description: The scope of this project is to replace the air cooled chiller system and building controls system serving the Main Terminal building at Tampa Executive Airport, which has reached the end of its lifecycle.

Project Status: The Board approved the project at the September Board meeting. The Work Order was issued to RS&H and they are proceeding with design. A kick-off meeting is to be determined.

#6955 22 Payroll Timekeeping System Replacement

Substantial Completion: June 2022
Current Budget: \$226,900
Consultant: TBD
Contractor: TBD
Airport: Tampa International

Project Description: The scope of this project is to replace the KABA timekeeping system for hourly employees as the software will be de-supported by the vendor at the end of 2022 and the time clocks have already passed their end of life support.

Project Status: The Board approved the project at the September Board meeting. An updated project schedule was submitted and approved by the Development Committee, the project is now starting in January 2022.

#6965 22 ARFF 90-7697 Oshkosh T3000 Vehicle Replacement

Substantial Completion: September 2022
Current Budget: \$825,000
Manufacturer: Pierce

Airport: Tampa International

Project Description: The scope of this project is to replace existing 25 year old ARFF 90-7697 vehicle that is beyond its useful life.

Project Status: The Board approved the project at the September Board meeting.

#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. Task No. 3 consisted of conceptual site layouts for new MRO and cargo hangar facilities in the Eastside Development area.

#8425 22 Main Terminal Airside D Shuttle Station - Construction

Substantial Completion: March 2025
Current Budget: \$26,425,800
Design-Builder: Hensel Phelps Construction
Airport: Tampa International

Project Description: The scope of this project is for the construction only of the Main Terminal Airside D Shuttle Station as part of the Main Terminal Red Curbside Expansion program.

Project Status: The Board approved the project at the September Board meeting and the design-builder started the GMP bidding process in October for this element of the project which will be included as part of the future Supplemental Part 2E Contract for the 8230 18 Red Side Express Curb Expansion project.

#8430 22 Bag Claim Ceiling Replacement

AIP 03-12-0078-75-2021

Substantial Completion: April 2024
Current Budget: \$20,100,000
Consultant: TBD
Contractor: TBD
Airport: Tampa International

Project Description: The scope of this project is to replace the bag claim ceiling system and associated mounted systems in conjunction with updated to the overall ceiling architecture consistent with other recently updated high-traffic public terminal areas.

Project Status: The Board approved the project at the September Board meeting and RFQ responses for the design-build procurement are due in early November.

#8435 22 Airside A and E Security Screening Checkpoint Expansion

Substantial Completion: March 2024
Current Budget: \$53,910,000
Consultant: TBD
Contractor: TBD
Airport: Tampa International

Project Description: The scope of this project is to expanding the security screening checkpoint areas to meet capacity demands.

Project Status: The Board approved the project at the September Board meeting. Requests for Qualifications were publicly solicited and the Selection Committee performed Technical Evaluations the week of October 12, 2021. The Evaluation Committee made a recommendation for a Design-Builder, which will be presented at the December Board meeting for selection.

II. Projects in Design

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

Substantial Completion: May 2021
Current Budget: \$3,975,000
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

<i>Substantial Completion:</i>	February 2022
<i>Current Budget:</i>	\$2,792,900
<i>Consultant:</i>	RS&H
<i>Contractor:</i>	TBD
<i>Airport:</i>	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: Bids were received on September 29, 2021 and have been reviewed. The construction contract is anticipated to be awarded in November.

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

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

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

Project Status: Bids were received on October 6, 2021 and have been reviewed. The construction contract is anticipated to be awarded in November.

#6780 21 Main Terminal Elevator Modernization

FDOT F.M. #438709-1

<i>Substantial Completion:</i>	November 2022
<i>Current Budget:</i>	\$7,455,000
<i>Consultant:</i>	N/A
<i>Contractor:</i>	Schindler Elevator Company
<i>Airport:</i>	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 60% design submittal occurred September 2021. During the course of design, it was determined that minimal scope remains but requires air carrier coordination before the construction can be performed on ticket counters and gates. As such, the project will remain open as a funding source and the scope will be completed by HCAA ITS staff, with the utilization of State approved contractors. This approach is ultimately anticipated to save cost and allow construction to begin as each unique ticket counter and gate counter have been coordinated with the air carrier.

#6860 21 Airside Guideways & Bridges Rehabilitation

Substantial Completion: September 2022
Current Budget: \$2,497,800
Consultant: Walker Consultants
Contractor: One Source Restoration
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: Bids were received on September 1, 2021 and have been reviewed. The Contract was awarded to One Source Restoration & Building Services at the October Board meeting. The Notice to Proceed with construction is anticipated to be given in early November.

**#6875 21 Employee Bus Replacement
AIP 03-12-0078-73-2021**

Substantial Completion: August 2023
Current Budget: \$5,569,300
Consultant: RS&H
Contractor: BYD
Airport: 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 Contract was awarded to BYD at the September Board meeting. Design of the electric bus charging facilities began in October 2021.

#6950 22 Taxiway Edge Light Replacement

Substantial Completion: July 2022
Current Budget: \$429,500
Consultant: RS&H
Contractor: TBD
Airport: Peter O. Knight

Project Description: The scope of this project is to replace the Taxiway edge lights and cables in the existing base cans and conduits.

Project Status: The Board approved the project at the September Board meeting and commenced with design in early October.

#6960 22 Airfield Maintenance Building Interior Refurbishment

Substantial Completion: July 2023
Current Budget: \$3,751,300
Consultant: RS&H
Contractor: TBD
Airport: Tampa International

Project Description: The scope of this project is to refurbish the main staff occupied portions and other associated facility improvements. The interior finishes, systems and furniture of the building has reached the end of its useful life and requires replacement.

Project Status: The Board approved the project at the September Board meeting and it commenced with design in early October.

#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/AECOM
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. The project is in early stages of being reactivated to finalize the design and start of 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 is ongoing. The contractor has begun work inside the AOA and has begun preliminary grading and paving of the new drive lane.

**#8330 20 North Remain Overnight (RON) Parking Apron
FDOT F.M. #446920-1**

Substantial Completion: TBD
Current Budget: \$23,118,800
Consultant: Kimley-Horn and Associates, Inc.
Contractor: TBD
Airport: 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: \$74,092,700
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 and is beginning to ship components from the factory to TPA and will be conducting Factory Acceptance Testing on the software components in the coming month.

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.

#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 modifications are being made. Inspection and testing of BHS sections ("test loops") are ongoing. Testing and commissioning of the EDS machines has been completed. The infrastructure for the network is being installed. All systems are being prepared for final testing and Go Live, which is scheduled for early 2022 through May 2022.

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. The infrastructure for the network is being installed. All systems are being prepared for final testing and Go Live, which is scheduled for early 2022 through May 2022.

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.

#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: The project has been delayed due to incompatibility between media converters and HCAA switch security protocols. ASI is forthcoming to change designed ComNet media converters to Cisco switches. The anticipated new Substantial Completion date is now late December 2021.

#6530 18 North Air Cargo Facility Redevelopment

Substantial Completion: TBD
Current Budget: \$1,318,600
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. The scope of work was recently expanded to include construction of a temporary overflow parking lot east of the North Air Cargo building on the southern end of the Authority's construction staging area. The scope of work included widening the asphalt entrance to the overflow parking lot, installing a seven foot security fence, re-grading the existing gravel base for the pavement surface and installing jersey barriers to create drive lanes and parking spaces. In addition, sidewalks will be constructed from the North Cargo building to the new overflow parking lot. Astra submitted pricing and the Authority is negotiating this under the JOC program.

#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 completion in December of 2021. The work is approximately 65% complete.

#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: During this reporting period, the contractor completed installation of new fire suppression equipment at buildings 3700, 4700, and 4800. The project scope has been expanded to include replacement of additional equipment found to be defective during demolition. Completion of new work anticipated in late November.

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

Substantial Completion: November 2020
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.

#6855 21 Main Terminal Complex Structural Envelope Restoration

Substantial Completion: August 2022
Current Budget: \$2,106,900
Consultant: Walker Consultants
Contractor: One Source Restoration & Building Service, Inc.
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 contract was awarded at the September Board meeting to One Source Restoration & Building Service at the September Board meeting with Notice to Proceed with construction given on October 7, 2021. The project is in the mobilization phase and work on site is anticipated to start in early November.

#6865 21 Part 139 Airfield Improvements

AIP #03-12-0078-069-2021

Substantial Completion: June 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. Notice to Procure was issued to Astra on August 26, 2021 to allow procurement of materials.

#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: A Certificate of Occupancy was obtained. The main construction activities in the project are complete. Remaining activities on the project are related to punch list work.

#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: Drywall finishing, painting, and ceiling systems were ongoing during the months of September and October. MEP system modifications, communicating Stair Steel, Data Center, and AOC infrastructure work also continued during the months of September and October.

**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 road and bridge punch-out and minor barrier wall work. All new overhead roadway sign work was completed. Construction for the Vertical Circulation Building (VCB) continued with interior finishes starting, such as wall panels, terrazzo, and mechanical, electrical, plumbing, and fire protections trim outs.

Construction for the Police and Maintenance Building continued with the elevator facade and exterior fire protection system for the east and west elevations as the main critical path items. Interior finishes have started for the Maintenance, Shared, Lost and Found, and Police areas.

#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: \$109,832,365
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 completed as the mechanical and electrical systems continue to be finalized. Systems are being brought online as well as ongoing flushing and testing of the systems. Exterior facades and lighting are also nearing completion. The Electrical Service Building (ESB) exterior metal panel systems have been completed. The Loading Dock work continued with the completion of the concrete and CMU block work. The roof steel and decking have been completed. The freight and service elevator work has been completed and has been inspected, and all finish work is being completed.

#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 was completed on September 1, 2021 and the new exit was opened. 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 other road widening work 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 continued the buildout of Airside C north and Airside F east restrooms. During this period at Airside F east restrooms, the contractor completed all drywall work, waterproofing, floor tile, wall tile, and began installing fixtures. At the Airside C north restrooms, the contractor continued framing, electrical rough-in, plumbing rough-in under slab, waterproofing, and testing of MEP. Additional activities included: the delivery and setup of the trailer restrooms to be used in an event of an emergency and the buildout of the Southwest temp offices on the ramp level.

#8315 20 Monorail System Replacement

FDOT F.M. #446919-1

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

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

Project Status: The Design-Builder has begun mobilization for the Moving Sidewalks scope of the project and is buying out the subcontractor contracts prior to start of construction. Level 4 of the LTPG closed in September to begin clearing out the vehicles and sections of Level 3 of the LTPG have been closed to allow for GPR scanning of the beams and deck.

The remaining element of the project, consisting of the Monorail System Demolition, is scheduled for a February 2022 Supplemental Part 2 Board award. The 90% design deliverable was provided per schedule on October 25, 2021.

#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. During this reporting period, the contractor completed installation of new boarding bridges at Gates A10 and A3. Additionally, a new fuel hydrant was installed at Gate A10. Installation of new bridges is scheduled to commence at Gates A11 and A8 in early November.

IV. Projects Substantially Complete

#5615 18 Airside A and F Air Handler Replacement

	<u>Initial</u>	<u>Estimated Final</u>
<i>Substantial Complete:</i>	February 28, 2019	October 23, 2021
<i>Board Approved Budget:</i>	\$1,992,500	
<i>Re-baseline Budget:</i>	\$2,817,000	\$2,393,328
<i>Design Amendments:</i>	None	None
<i>Construction Change Orders:</i>	1	(\$40,000)
<i>D/W/MBE</i>		
<i>Design:</i>	3.84%	4.72%
<i>Construction:</i>	N/A	N/A
<i>Consultant:</i>	RS&H	
<i>Contractor:</i>	Caladesi Construction CO./Bernhard MCC	
<i>Airport:</i>	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 Performance: The Board approved budget was increased by \$824,500 for the engineer’s estimate due to the specialized nature of this work and the few available bidders and to the phasing of the work. The final estimated cost is expected to be \$423,672 due to lower construction administration costs and contingency not required. The project was completed behind the initial schedule due to splitting the project into 2 segments and then the bid was cancelled due to only one bidder.

#6165 19 Airfield Maintenance Equipment Storage Building Addition

	<u>Initial</u>	<u>Estimated Final</u>
<i>Substantial Complete:</i>	May 18, 2020	September 3, 2021
<i>Board Approved Budget:</i>	\$2,043,000	
<i>Re-baseline Budget:</i>	\$1,968,400	\$1,785,689
<i>Design Amendments:</i>	N/A	N/A
<i>Construction Change Orders:</i>	2	\$3,951.97
<i>D/W/MBE</i>		
<i>Design:</i>	16.91%	16.91%
<i>Construction:</i>	29.0%	29.2%
<i>Consultant:</i>	RS&H	
<i>Contractor:</i>	E&L Construction Group	
<i>Airport:</i>	Tampa International	

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

Project Performance: The Board approved budget was decreased by \$74,600 due to competitive bids. The final estimated costs are anticipated to be \$182,711 under the revised budget due to lower in house costs and contingency not being required. The project was delayed by about 16 months due to a 6 month delay starting due to General Consultant staffing not being available. In addition, the contractor struggled to manage their subcontractors and stay on schedule.

#6710 20 EFSO (Emergency Fuel Shut Off)

	<u>Initial</u>	<u>Estimated Final</u>
<i>Substantial Complete:</i>	April 2021	June 25,2021
<i>Board Approved Budget:</i>	\$615,000	\$565,283
<i>Re-baseline Budget:</i>	NA	NA
<i>Design Amendments:</i>	0	0
<i>Construction Change Orders:</i>	0	0
<i>D/W/MBE</i>		
<i>Design:</i>	NA	
<i>Construction:</i>	NA	
<i>Consultant:</i>	Currier TK	
<i>Contractor:</i>	Currier TK	
<i>Airport:</i>	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: The project is estimated to finish slightly under budget by \$49,717 due to contingency not being required. The project was completed slightly behind the initial schedule due to verification of existing electronics configurations.

#8705 19 Purchase Additional SkyConnect Trains

	<u>Initial</u>	<u>Estimated Final</u>
<i>Substantial Complete:</i>	February 3, 2021	October 7, 2021
<i>Board Approved Budget:</i>	\$13,000,000	
<i>Re-baseline Budget:</i>	\$13,168,000	\$13,155,274
<i>Design Amendments:</i>	NA	
<i>Construction Change Orders:</i>	1	\$168,000
<i>D/W/MBE</i>		
<i>Design:</i>	N/A	N/A
<i>Construction:</i>	N/A	N/A
<i>Consultant:</i>	Lea and Elliott	
<i>Contractor:</i>	Mitsubishi Heavy Industries America	
<i>Airport:</i>	TPA	

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 support increased passenger traffic.

Project Performance: The Board approved budget was increased 168,000 for the installation of a new “stinger” system at the maintenance and storage facility to provide power for the new vehicles while in storage and a new monitor to the central control system. The project was completed about 8 months late due longer lead times for manufacturing and to the need to perform the 30-day system acceptance testing a second time