

St. Pete-Clearwater International Airport (PIE)
Proposed Passenger Facility Charge Application #4
Project Descriptions

04-001 Security Improvements – Access Control

This project consists of updating the current security system at the Airport. The work includes the replacement of the existing access control system; closed circuit television and video management system; and security badging system. It also includes remodeling of interior office spaces to accommodate the updated security, badging and training systems.

The Airport's existing access control and security systems have exceeded their useful lives. This project is necessary to ensure the Airport is in compliance with 49 CFR Part 1542.

The estimated start date of this project is October 2018 and it is estimated to be completed in December 2019. The total cost of this project is estimated to be \$2,600,769 with FAA funding under AIP Federal Grant #44 in the amount of \$1,945,841, State of Florida funds of \$324,513, PFC funds of \$216,205, and other airport funds of \$114,210.

04-002 Security Improvements – Perimeter Fencing

This project includes the design and construction of approximately 2,054 linear feet of new fencing around the Airport's perimeter. This includes the connection of two new vehicular gates located near the Airport's Aircraft Rescue and Firefighting (ARFF) station and the United States Coast Guard.

The project is necessary to replace damaged fencing and ensure that the perimeter fencing complies with 49 CFR Part 1542.

The start date for this project is estimated to be October 2018 and it is estimated to be completed in April 2019. The total cost of this project is estimated to be \$379,553 with FAA funding under AIP Federal Grant #44 in the amount of \$341,598, State of Florida funds of \$18,978, and PFC funds of \$18,977.

04-003 Customs/Border Protection Improvements

This project includes the design and renovation of the existing Federal Inspections Services (FIS) facility to meet the new 2017 CBP Airport Technical Design Standards (ATDS). The project includes the demolition and remodel of the existing interior spaces and includes, but is not limited to, the construction of new wall systems, new interior finishes, a new baggage handling system (separate from the Ticketing "A" new baggage handling system), new equipment and furniture, a new public address system, new access control, security and surveillance systems and associated mechanical, electrical, fire systems, plumbing, and network infrastructure.

This project is necessary to bring the Airport's FIS facilities to current CBP required standards to allow for the continued processing of international passenger arrivals into the Airport.

The start date for this project is estimated to be October 2018 and is estimated to be completed in July 2019. The total cost of this project is estimated to be \$6,880,275 with FAA funding under AIP Federal Grant #44 in the amount of \$3,233,099, State of Florida funds of \$800,000, PFC funds of \$748,521, and other airport funds of \$2,098,655.

04-004 Runway 18/36 Rehabilitation

This project includes the design and pavement rehabilitation of Runway 18/36. The design effort will include topographic field surveys, sub-surface investigations, pavement analysis and design, construction safety and phasing plan preparation, preparation of construction documents, permitting, and coordination with FAA and FDOT. The rehabilitation will include pavement milling and overlay, and areas of complete pavement reconstruction. The project also includes a 100' extension to Runway 4 which will increase the overall length of Runway 4/22 to 6,000 feet. The additional length is needed so that PIE's air carrier aircraft can utilize this runway during an extended closure of Runway 18/36 for construction.

Runway 18/36 is 9,730' x 150' with 15' paved shoulders. According to the June 2015 Pavement Condition Index Study, approximately two-thirds of the runway's PCI averages 63 (fair) and the remaining one-third (both approach ends) averages 52 (poor). The existing asphalt pavement exhibits various types of distresses such as weathering, longitudinal/transverse cracking, and slippage cracking. Low level fatigue cracking is also present along the aircraft wheel path. Bleeding of the asphalt is noticed along Runway 36's displaced threshold continuing into Taxiway A. The runway was last rehabilitated 20 years ago.

The start date for this project is estimated to be September 2019 and is estimated to be completed in August 2020. The total cost of this project is estimated to be \$15,626,310 with FAA funding under AIP Federal Grant #44 and future AIP entitlement and discretionary grants in the amount of \$14,063,679, State of Florida funds of \$781,315, and PFC funds of \$781,316.

04-005 Runway 18/36 Lighting Rehabilitation

This project includes the design and rehabilitation of the airfield electrical system for Runway 18/36 as part of the pavement rehabilitation project. This will include the rehabilitation of the runway edge lights, runway centerline lights, touchdown zone lights, threshold lights, and associated airfield signage.

The lighting system for Runway 18/36 was installed in 1998-1999 under AIP Grant No. 3-12-0075-19. The edge lights have far exceeded their minimum useful life of ten years and are in need of replacement.

The start date for this project is estimated to be September 2019 and is estimated to be completed in August 2020. The total cost of this project is estimated to be \$1,207,539 with FAA funding under AIP Federal Grant #44 and future AIP entitlement grants in the amount of \$1,086,785, State of Florida funds of \$60,377, and PFC funds of \$60,377.

04-006 Parallel Taxiway Construction

This project includes the design and construction of approximately 4,400 linear feet of a 50'

wide partial parallel taxiway south of Runway 4/22 and 3,000 linear feet of a 75' wide partial parallel taxiway southeast of Runway 18/36, including associated clearing, grading, stormwater drainage, asphalt pavement, edge lighting and signage, and pavement markings.

This project will provide runway connectivity to a 130-acre undeveloped parcel of land that will support aviation use development needed to meet the projected aircraft demand and serve future aviation-related development.

The start date for this project is estimated to be October 2020 and is estimated to be completed in December, 2021. The total cost of this project is estimated to be \$12,544,550 with FAA future AIP entitlement and discretionary grants in the amount of \$11,110,095 and PFC funds of \$1,434,455.

04-007 Landside Roadway and Parking Improvements

This project includes the design and reconstruction of the landside roadways and parking lots (long/short term, rental car, and employee lots) of the Airport. Project involves demolition, installation of new stormwater/water/sewer/cable/FAA/electrical/telephone utilities, grading, asphalt pavement, pavement markings, toll booths, sidewalks, and parking revenue systems.

This project is necessary to address vehicle circulation and parking congestion at the Airport due to the significant increase in passenger traffic at the Airport. The project will improve vehicle flow and increase parking capacity. This project is being undertaken in coordination with significant reconstruction and realignment of Roosevelt Boulevard from the FDOT Gateway Project.

This project started in December 2017 and is estimated to be completed in November 2019. The total cost of this project is estimated to be \$16,875,937 with PFC funds requested in the amount of \$3,489,833 and local funds in the amount of \$13,386,104.

04-008 Cargo Apron Reconstruction

This project includes the design and reconstruction of the cargo aircraft apron west of the terminal parking positions. This apron is approximately 260 feet by 360 feet and will be reconstructed with Portland Cement Concrete (PCC) to accommodate two parking positions for ADG-III aircraft. The project will include demolition, stormwater, grading, PCC pavement, and pavement markings.

The existing pavement is constructed of a combination of bituminous asphalt and PCC and are exhibiting various types of distress including weathering, slippage cracks, block cracking, spalling, and mid-slab cracking. The Pavement Condition Index (PCI) ratings for this pavement is 51 (poor condition).

The start date for this project is estimated to be November 2020 and is estimated to be completed in December 2021. The total cost of this project is estimated to be \$2,000,000 with \$1,000,000 to be funded with State of Florida funds and \$1,000,000 to be funded with PFCs.

04-009 Electrical Vault Relocation

This project includes the design and relocation of the airfield electrical vault. The project will include a new vault concrete masonry unit structure on a concrete slab floor elevated above the 100-year flood plain. The project will include demolition of the existing building, site grading, relocation of the existing and/or new regulators, installation of a new airfield generator, and installation of new conduit and wiring system to provide connectivity to the new vault.

The current location of the existing airfield electrical vault prohibits expansion of the Terminal Building to the south and limits the ability to fully utilize the baggage make-up area of the new in-line checked baggage system. The existing airfield electrical vault is over 30 years old.

The start date for this project is estimated to be December 2020 and is estimated to be completed in December 2021. The total cost of this project is estimated to be \$5,000,000, with 100% funded with PFCs.

04-010 Tier 3 Drainage Improvements

This project includes the design and construction of the Tier 3 drainage improvements at the Airport. The scope of work will consist of the video investigation and/or lining of the drainage pipes on the western side of the airfield, installation of several new underdrain systems on the eastern side of the airfield, and installation of flap valve devices at the major culvert outfalls along the eastern side of the airfield to restrict backflow during high tides in Old Tampa Bay.

The Tier 3 project will be the final phase of the recommendations presented in the 2012 Master Stormwater Management Plan. This project is necessary to reduce flooding, replace existing deficient pipes, and improve drainage conditions at the Airport.

The start date for this project is estimated to be September 2020 and is estimated to be completed in September 2021. The total cost of this project is estimated to be \$1,500,000, with \$750,000 to be funded with State of Florida funds, and \$750,000 to be funded with PFCs.

04-011 PFC Application Costs

PFC eligible general formation costs included in this PFC project are the necessary expenditures to prepare the new PFC Application. Development associated with the approved projects in this Application will preserve and enhance capacity and security at the Airport. The total cost of this project is \$50,700. PFCs are anticipated to provide 100% funding for this project. This project started in October 2018 and will be completed in March 2019.

04-012 PFC Administration Costs

PFC eligible costs included in this PFC project are the eligible ongoing administrative costs, amendments, and closeout for this PFC Application. Administration costs associated with the approved projects in this Application will preserve and enhance capacity and security at the Airport. The total cost of this project is \$24,300. PFC's are anticipated to provide 100% funding for this project. This project began in October 2018 and will be completed in October 2023.