

Grant Accepted

February 9, 2016 - Proposed Addition

February 9, 2016 - Proposed Revision

JACIP
February 9, 2016

Item	Project Description	Year	Funding Breakdown				Narrative	Justification
			Federal \$	State \$	Local \$	Total \$		
1	Environmental Assessment - Runway 13-31	2014	\$117,000	\$6,288	\$6,712	\$130,000	Environmental Assessment for the proposed Runway 13-31 improvements and related projects. Study will evaluate the impact(s) of the proposed improvements and will include public participation.	Per Order 1050.1E, project is necessary for meeting federal law for implementing Runway 13-31 improvements as depicted on the approved ALP.
2	Floodplain and Storm Water Master Drainage Plan Analysis	2014	\$0	\$80,000	\$20,000	\$100,000	Evaluate county flood map model update and update master drainage plan.	SWFWMD recently updated the Island of Venice and Airport flood maps. The updated map places many facilities previously not affected within a flood zone. This evaluation will either verify SWFWMD's findings or provide the basis to appeal. The master drainage plan must be revised as a result of the Runway 5-23 rehabilitation project.
3	Design Rehabilitation of Taxiways A and C and Lighting System Improvements	2014	\$0	\$278,106	\$71,927	\$350,033	Design and permit the rehabilitation of Taxiways A and C. Assess, evaluate and design updated electrical system. This will include removing all direct buried cable and replace with in-conduit cable, install new signs, and relocate to meet current FAA standards.	These taxiways have not been rehabilitated for 25-69 years. The 2011 FDOT Pavement Condition Indexes range from "fair" (59) to "poor" (51). The existing electrical lighting system is aging and failure is starting to occur. The system is currently over 20-years old and replacement is anticipated. This project is necessary to maintain existing infrastructure and aviation safety consistent with AC 150/5340-30F.
4	Design Runway 13-31 and Taxiway Safety Improvements, Obstruction Removal and EMAS	2014	\$735,182	\$66,511	\$66,511	\$868,204	Design and permit safety improvements to shift Runway 13-31 727' southeast to relocate RPZ, extend Taxiway D, rehabilitate connector taxiways, install EMAS and remove Part 77 obstructions.	Shift the RPZ onto airport property in accordance with the approved ALP. Project required to meet current FAA standards per AC 150/5300-13A and AC 150/5220-22A.

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5	Construct Rehabilitation of Taxiways A and C and Lighting System Improvements	2014	\$3,906,963	\$221,509	\$221,509	\$4,349,981	Construct taxiway rehabilitation and updated electrical system. This will include removing all direct buried cable and replace with in-conduit cable install new signs, and relocate to meet current FAA standards.	These taxiways have not been rehabilitated for 25-69 years. The 2011 FDOT Pavement Condition Indexes range from "fair" (59) to "poor" (51).
2014 TOTALS			\$4,759,145	\$652,414	\$386,659	\$5,798,218		
6	Security Master Plan and Improvements	2015	\$0	\$400,000	\$100,000	\$500,000	Develop a comprehensive master security plan to provide guidance and priorities for airfield security. Construction of improvements will contribute to overall airfield security.	The airport has minimal security provided by a perimeter chain link fence with no barbed wire in some areas. The security plan will evaluate current conditions and propose a preferred solution to maintain/attain a high level of security. Construction of the improvements, including lighting, gate replacements, cameras and increased fiber optic connectivity, will contribute to the overall security of the airfield and improve safety for aircraft.
7	Design & Construct T-Hangars - Midfield	2015	\$0	\$700,000	\$800,000	\$1,500,000	Design, permit and construct T-Hangars.	Capital improvement project which generates revenue for the airport to contribute to self-sustainability, per Order 5190.6B, and provides a service to the local based aircraft owners.
8	Construct Runway 13-31 and Taxiway Improvements, Remove Obstructions and Construct EMAS	2015	\$7,201,487	\$484,409	\$685,596	\$8,371,492	Shift Runway 13-31 727' southeast to relocate RPZ, extend Taxiway D, construct connector taxiways, construct EMAS, rejuvenate existing runway pavement, replace PAPIs, improve electrical vault, realign perimeter fence and remove Part 77 obstructions.	Shift the RPZ onto airport property in accordance with the approved ALP. The 2015 FDOT Pavement Condition Index ranged from "fair" (65) to "satisfactory" (80). Project required to meet current FAA standards per AC 150/5300-13A and AC 150/5220-22A.
2015 TOTALS			\$7,201,487	\$1,584,409	\$1,585,596	\$10,371,492		

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9	Replace Terminal Building	2016	\$0	\$800,000	\$200,000	\$1,000,000	Design, permit and construct a replacement terminal building.	The existing 2,000 sq. ft. first floor of the facility serves all t-hangar (178 units), shade hangar (12 units) and tie down (49 units) customers. It includes minimal public lobby and restroom space for pilots and their passengers. There is no public space for meetings, nor a flight planning area. In accordance with fire codes, tables and chairs for these purposes are discouraged in t-hangars. The existing facility also includes airport administration offices. The second floor includes nearly 2,100 sq. ft., but is only accessible via stairwell. In order to accommodate the needs of a new facility, a preliminary estimate of 5,000 sq. ft. is needed. In addition, the existing facility was built in 1989, experiences recurring roof leaks due to poorly designed roof drainage and does not provide adequate hurricane protection. Once a new facility is completed, the existing facility can either be leased or demolished since the site is ideally located for a future hangar, which would contribute to self-sustainability, in accordance with Order 5190.6B.
10	Design Reconstruction of Tie-Down Apron	2016	\$162,000	\$9,000	\$9,000	\$180,000	Design and permit rehabilitation of the public apron and reconfiguration of the existing tie-down area.	The 2015 FDOT Pavement Condition Index ranged from "failed" (0) to "very poor" (33) for this apron. This project will rehabilitate the pavement, increase aircraft parking and improve landside capacity. In addition, it will reconfigure the existing tie-down area, to meet current FAA criteria for ADG-II aircraft per AC 150/5300-13A.
11	Airport Entrance Road	2016	\$0	\$1,600,000	\$400,000	\$2,000,000	Develop a connecting road from U.S. Business 41 to Airport Avenue with water, sewer and stormwater improvements.	Construction of an access road will make the airport more attractive for business investment, which would contribute to self-sustainability, in accordance with Order 5190.6B.

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12	Office Building Improvements	2016	\$0	\$320,000	\$80,000	\$400,000	Design, permit and construct improvements to existing airport administration building.	Improvements to the existing facility would include bringing it up to current building codes and retrofitting for improved hurricane resistance. This will allow the Airport to better meet the demands for leased office space and help to protect the asset in the event of a severe storm.
13	Relocate Airport Maintenance Facility	2016	\$0	\$520,000	\$130,000	\$650,000	Design, permit and construct a new airport maintenance facility.	This project will relocate the maintenance facility to the infield. The existing facility could then be leased to generate additional revenue due to its location with public street frontage. This would help to facilitate airport self-sustainability, in accordance with Order 5190.6B.
14	Design and Construction of Obstruction Removal	2016	\$67,500 \$0	\$3,750 \$300,000	\$3,750 \$75,000	\$75,000 \$375,000	Design and permit, and construct mitigation of trees in each runway's 20:1 visual surface and 7:1 transitional surface.	In accordance with FAA Order 8260.3, a 20:1 visual surface survey was recently completed. Additionally, the FDOT identified several 7:1 transitional surface penetrations during the annual license inspection on 10/31/14. The Airport is required to maintain these surfaces free and clear of penetrations for the safety of aircraft operations.
15	Design Reconstruction of East Apron	2016	\$0	\$120,000	\$30,000	\$150,000	Design and permit rehabilitation of the public apron and reconfiguration of the existing tie-down area.	The 2015 FDOT Pavement Condition Index for section 4120 of the apron was "failed" (2). This project will rehabilitate the pavement, increase aircraft parking and improve landside capacity. In addition, it will reconfigure the existing tie-down area, to meet current FAA criteria for ADG-II aircraft per AC 150/5300-13A.
2016 TOTALS			\$162,000	\$3,669,000	\$924,000	\$4,755,000		

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16	Construct Reconstruction of Tie-Down Apron	2017	\$4,500,000	\$250,000	\$250,000	\$5,000,000	Construct rehabilitation of the public apron and reconfiguration of the existing tie-down area.	The 2015 FDOT Pavement Condition Index ranged from "failed" (0) to "very poor" (33) for this apron. This project will rehabilitate the pavement, increase aircraft parking and improve landside capacity. In addition, it will reconfigure the existing tie-down area, to meet current FAA criteria for ADG-II aircraft per AC 150/5300-13A.
17	Design of Reconstruction and Reconfiguration of Abandoned Runway 9-27 into Taxiway B, Run-up Area and Tie-down Apron	2017	\$270,000	\$15,000	\$15,000	\$300,000	Design and permit the rehabilitation and reconfiguration of Runway 9-27, which has been abandoned and is currently used as a taxiway, public aircraft tie-down parking and as the maintenance run-up area.	The pavement has not been rehabilitated since 1942 and the 2015 FDOT Pavement Condition Index ranged from "serious" (22) to "very poor" (32). In order to improve safety, this pavement should be rehabilitated and reconfigured into a taxiway meeting FAA standards in AC 150/5300-13A. The aircraft parking and maintenance run-up areas will also require reconfiguration.
18	Design and Construct Access Road	2017	\$0	\$3,200,000	\$800,000	\$4,000,000	Design, permit and construct access road for aeronautical development with water, sewer and stormwater improvements.	This project will improve revenue opportunities for the airport by providing access to areas that are currently undevelopable due to lack of road access. This will contribute to airport self-sustainability in accordance with Order 5190.6B.
19	Design and Construct T-Hangars - Midfield #2	2017	\$0	\$1,200,000	\$300,000	\$1,500,000	Design and construct T-Hangars.	Capital improvement project which generates revenue for the airport to contribute to self-sustainability, per Order 5190.6B, and provides a service to the local based aircraft owners/pilots.
20	Design of 4-Box LED PAPI and Lighted Windcone for Runway 5-23	2017	\$45,000	\$2,500	\$2,500	\$50,000	Design and permit replacement of the PAPIs with a 4-box LED model.	Since 2012, the Airport has spent more than \$22,000 replacing incandescent PAPI bulbs. Replacement of the existing 2-box PAPIs with new 4-box LED systems on Runway 5-23 will result in substantial energy savings, reduce maintenance costs and improve system reliability. The 4-box PAPI is also specified for runways serving jet aircraft in accordance with FAA AC 150/5340-30H.

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			Federal \$	State \$	Local \$	Total \$		
	Construct Obstruction Removal	2017	\$270,000	\$15,000	\$15,000	\$300,000	Remove trees from 20:1 visual surface.	In accordance with FAA Order 8260.3, a 20:1 visual surface survey was recently completed. Additionally, the FDOT identified several 7:1 transitional surface penetrations during the annual license inspection on 10/31/14. The Airport is required to maintain these surfaces free and clear of penetrations for the safety of aircraft operations.
21	Design Rejuvenation of Runway 5-23, Taxiway B and Taxiway E	2017	\$40,500	\$2,250	\$2,250	\$45,000	Design and permit pavement rejuvenation and markings.	In accordance with FAA grant assurances, the Airport is required to establish a pavement maintenance program. Additionally, the FDOT completed a pavement inspection in 2015 that recommends surface treatment of pavements as described in FAA AC 150/5370-10G.
22	Construct Reconstruction of East Apron	2017	\$0	\$580,000	\$145,000	\$725,000	Construct rehabilitation of the public apron and reconfiguration of the existing tie-down area.	The 2015 FDOT Pavement Condition Index for section 4120 of the apron was "failed" (2). This project will rehabilitate the pavement, increase aircraft parking and improve landside capacity. In addition, it will reconfigure the existing tie-down area, to meet current FAA criteria for ADG-II aircraft per AC 150/5300-13A.
2017 TOTALS			\$4,855,500	\$5,249,750	\$1,514,750	\$11,620,000		
23	Airport Master Plan and ALP Update	2018	\$315,000	\$17,500	\$17,500	\$350,000	Hire consultant to update the airport master plan and ALP.	MPU and ALP should be updated every 5 years. The last update was in 2011.
24	Design Parallel Taxiway E	2018	\$180,000	\$10,000	\$10,000	\$200,000	Design, and permit full-length parallel Taxiway E.	This project will enhance safety as aircraft regularly back-taxi on Runway 5-23 in order to reach the FBOs. It will also encourage use of Runway 5-23 for noise mitigation.

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25	Construct Reconstruction and Reconfiguration of Abandoned Runway 9-27 into Taxiway B, Run-up Area and Tie-down Apron	2018	\$2,250,000	\$125,000	\$125,000	\$2,500,000	Construct the rehabilitation and reconfiguration of Runway 9-27, which has been abandoned and is currently used as a taxiway, public aircraft tie-down parking and as the maintenance run-up area.	The pavement has not been rehabilitated since 1942 and the 2015 FDOT Pavement Condition Index ranged from "serious" (22) to "very poor" (32). In order to improve safety, this pavement should be rehabilitated and reconfigured into a taxiway meeting FAA standards in AC 150/5300-13A. The aircraft parking and maintenance run-up areas will also require reconfiguration.
26	Design & Rehabilitate Taxilanes within the Existing T-Hangar Area	2018	\$0	\$1,600,000	\$400,000	\$2,000,000	Design, permit and rehabilitate the taxilanes within the T-Hangar area, install new signs, and paint to meet FAA criteria.	The 2015 FDOT Pavement Condition Index was "fair" (59-70). This project will help maintain the taxilanes within the T-Hangar area and mark them per AC 150/5340-1K. This project should improve safety.
27	Reinforce Hangars for Hurricane Resistance Phase II	2018	\$0	\$768,000 \$800,000	\$192,000 \$200,000	\$960,000 \$1,000,000	Rehabilitate and upgrade the doors on four existing t-hangar buildings to current hurricane standards.	This project will help upgrade 64 existing T-Hangars to current hurricane codes to the extent practicable and reduce the probability of large-scale damage to the airport from hurricane-force winds. It will also improve the safety by limiting a potential source of debris on the runways.
28	Construct Rejuvenation of Runway 5-23, Taxiway B & Taxiway E	2018	\$270,000	\$15,000	\$15,000	\$300,000	Construct pavement rejuvenation and markings.	In accordance with FAA grant assurances, the Airport is required to establish a pavement maintenance program. Additionally, the FDOT completed a pavement inspection in 2015 that recommends surface treatment of pavements as described in FAA AC 150/5370-10G.
29	Construct 4-Box LED PAPI and Lighted Windcone for Runway 5-23	2018	\$180,000	\$10,000	\$10,000	\$200,000	Construct replacement of the PAPIs with a 4-box LED model.	Since 2012, the Airport has spent more than \$22,000 replacing incandescent PAPI bulbs. Replacement of the existing 2-box PAPIs with new 4-box LED systems on Runway 5-23 will result in substantial energy savings, reduce maintenance costs and improve system reliability. The 4-box PAPI is also specified for runways serving jet aircraft in accordance with FAA AC 150/5340-30H.
2018 TOTALS			\$3,195,000	\$2,577,500	\$777,500	\$6,550,000		

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30	Design Parallel Taxiway D	2019	\$180,000	\$10,000	\$10,000	\$200,000	Design and permit full-length parallel Taxiway D.	This project will allow aircraft to exit the runway faster and provide increased safety to the flying public.
31	Construct Parallel Taxiway E	2019	\$1,530,000	\$85,000	\$85,000	\$1,700,000	Construct full-length parallel Taxiway E.	This project will enhance safety as aircraft regularly back-taxi on Runway 5-23 in order to reach the FBOs. It will also encourage use of Runway 5-23 for noise mitigation.
32	Design Rejuvenation of Taxiways A & C	2019	\$40,500	\$2,250	\$2,250	\$45,000	Design and permit pavement rejuvenation and markings.	In accordance with FAA grant assurances, the Airport is required to establish a pavement maintenance program. Additionally, the FDOT completed a pavement inspection in 2015 that recommends surface treatment of pavements as described in FAA AC 150/5370-10G.
33	Design Taxiway F	2019	\$225,000	\$12,500	\$12,500	\$250,000	Design and permit Taxiway F.	This project will provide aircraft with access to the east side of the airport in the event of a demand for aeronautical development, which would contribute to self-sustainability in accordance with Order 5190.6B.
34	Design and Construct T-Hangars - Midfield #3	2019	\$0	\$1,200,000	\$300,000	\$1,500,000	Design and construct T-Hangars.	Capital improvement project which generates revenue for the airport to contribute to self-sustainability, per Order 5190.6B, and provides a service to the local based aircraft owners/pilots.
35	Design and Permit Safety, Wildlife and Security Fencing	2019	\$45,000	\$2,500	\$2,500	\$50,000	Design and permit approximately 6,000 LF of safety, wildlife, and security fencing along the airport perimeter that does not currently have barb wire or a wildlife deterrent in place.	This new perimeter fence is needed to reduce the incursion of wildlife onto runways and taxiways. A field evaluation found numerous holes burrowed under the existing perimeter fence, and scat found on the runways. This project will improve safety in accordance with AC 150/5200-33B.
36	Airport Avenue Drainage Improvements	2019	\$0	\$680,000	\$170,000	\$850,000	Design, permit and construct drainage improvements for Airport Avenue.	A 2014 floodplain study determined that pipes to Deertown Gully and Airport Ave. drainage structures are significantly undersized and poorly graded. Improvements are expected to reduce flooding by up to one foot along Airport Ave. and surrounding areas.
2019 TOTALS			\$2,020,500	\$1,992,250	\$582,250	\$4,595,000		

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37	Construct Parallel Taxiway D	2020	\$1,350,000	\$75,000	\$75,000	\$1,500,000	Construct full-length parallel Taxiway D.	This project will allow aircraft to exit the runway faster and provide increased safety to the flying public.
38	Construct Rejuvenation of Taxiways A & C	2020	\$270,000	\$15,000	\$15,000	\$300,000	Construct pavement rejuvenation and markings.	In accordance with FAA grant assurances, the Airport is required to establish a pavement maintenance program. Additionally, the FDOT completed a pavement inspection in 2015 that recommends surface treatment of pavements as described in FAA AC 150/5370-10G.
39	Design Rejuvenation of Runway 13-31, Taxiway B & Taxiway D	2020	\$40,500	\$2,250	\$2,250	\$45,000	Design and permit pavement rejuvenation and markings.	In accordance with FAA grant assurances, the Airport is required to establish a pavement maintenance program. Additionally, the FDOT completed a pavement inspection in 2015 that recommends surface treatment of pavements as described in FAA AC 150/5370-10G.
40	Box Hangar #1	2020	\$0	\$800,000	\$200,000	\$1,000,000	Design, permit and construct a box hangar.	Capital improvement project which generates revenue for the airport to contribute to self-sustainability, per Order 5190.6B, and provides a service to the local based aircraft owners/pilots.
41	Construct Safety, Wildlife and Security Fencing	2020	\$283,500	\$15,750	\$15,750	\$315,000	Construct approximately 6,000 LF of safety, wildlife, and security fencing along the airport's perimeter that does not currently have barb wire or a wildlife deterrent in place.	This new perimeter fence is needed to reduce the incursion of wildlife onto runways and taxiways. A field evaluation found numerous holes burrowed under the existing perimeter fence, and scat found on the runways. This project will improve safety in accordance with AC 150/5200-33B.
42	Construct Taxiway F	2020	\$1,350,000	\$75,000	\$75,000	\$1,500,000	Construct Taxiway F.	This project will provide aircraft with access to the east side of the airport in the event of a demand for aeronautical development, which would contribute to self-sustainability in accordance with Order 5190.6B.

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43	Fuel Farm	2020	\$0	\$400,000	\$100,000	\$500,000	Design, permit and construct a centralized fuel farm.	In accordance with AC 150/5300-13, NFPA 407 and FAA's interim guidance on Land Use in an RPZ, this project will provide a centralized location for all bulk fuel storage, which will enhance security, environmental protection and aviation safety by eliminating the need for fuel delivery trucks to traverse the airfield.
44	Reinforce Hangars for Hurricane Resistance Phase III	2020	\$0	\$480,000	\$120,000	\$600,000	Rehabilitate and upgrade the doors on four existing t-hangar buildings to current hurricane standards.	This project will help upgrade existing T-Hangars to current hurricane codes to the extent practicable and reduce the probability of large-scale damage to the airport from hurricane-force winds. It will also improve the safety by limiting a potential source of debris on the runways.
2020 TOTALS			\$3,294,000	\$1,863,000	\$603,000	\$5,760,000		
GRAND TOTALS of ALL YEARS			\$25,487,632	\$17,588,323	\$6,373,755	\$49,449,710		