

[illegible]

OPERATIONAL, SAFETY, PRIORITY INFRASTRUCTURE IMPROVEMENT CREATES ADDITIONAL REVENUE		Funded (Year)	TCAA CIP: Space Coast Regional Airport 12/14/2018 AM														Michael Baker INTERNATIONAL							
			TOTAL COST	FDOT FUNDING	FAA FUNDING	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	DESCRIPTION										
PROJECTS																								
Design and Construction: Rehab/Replace Relis**			2018	\$302,000	\$15,100	\$271,800	\$15,100																	Replace REIL's on both runways. Total of 8. Existing REIL's are in poor condition and are a constant maintenance issue. Parts are very hard to find for repairs. Wait for FDOT to grant in place before starting design. Get the application into FAA in June.
Design & Construction: Airfield Lighting*			2018	\$2,244,250	\$179,540	\$2,019,825	\$179,540	\$34,885																Immediate need of the Airport. The project includes relocating the electrical vault and all airport lighting along RW 18-36, TW A and TW G (Future Partial Parallel Taxiway).
Sub-Totals:				\$2,546,250	\$194,640	\$2,291,625	\$194,640	\$34,885	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Design and Construction: Demo Bldg 52				\$307,000	\$245,600	\$0	\$245,600																	Removal of a very old and dangerous hangar on the airfield. Project includes removal of the facility, site grading, and capping utilities.
Design and Construction: CCTV and New Access Control				\$500,000	\$400,000	\$0	\$400,000		\$100,000															Phase 2 of Airport Security Program. Phase 2 consists of Access Control System, complete with gate controllers, monitoring database, badging system, etc.
Design and Construction: RW 9-27 Rehab				\$5,000,000	\$250,000	\$4,500,000	\$250,000						\$250,000											Design and Construction of the removal of old shoulder pavement on RW 9-27. RW width was narrowed several years ago and the existing pavement was left in place. The pavement now has deteriorated extensively and causing FOD problems. Project would include removal of pavement, backfill of soil and regrading of pavement shoulders. No electrical or RW lighting improvements anticipated.
Runway Length Justification Report				\$45,000	\$2,250	\$40,500	\$2,250						\$2,250											Phase 1 of RW 18-36 Extension. Include data collection and development of justification for runway extension
Design: R/W 18-36 Extension				\$1,500,000	\$75,000	\$1,350,000	\$75,000												\$75,000					Phase 2 of RW 18-36 Extension. This project includes survey, geotech, permitting, and design of the extension and parallel TW.
Construction: R/W 18-36 Extension				\$5,700,000	\$285,000	\$5,130,000	\$285,000																\$285,000	
Design: TW G				\$315,000	\$15,750	\$283,500	\$15,750		\$15,750															Phase 3 of RW 18-36 Extension. Construction, Construction Admin, and Inspection of the project. Design of the future parallel TW G parallel to RW 18-36. This project will incorporate the proposed partial parallel taxiway as well as create a regional storm water facility on the west side of the airport for wildlife hazrd mitigation and deletion of several connector taxiways that are in severe cndition, non-compliant with the FAA's advisory circular and due for rehab.
Construction: TW G				\$3,200,000	\$160,000	\$2,880,000	\$160,000																	Construction of the above project
Airport Master Plan and ALP Update				\$265,000	\$13,250	\$238,500	\$13,250			\$160,000								\$13,250						Update the ALP to identify future development plans.
EA: Extend TW A				\$200,000	\$10,000	\$180,000	\$10,000						\$10,000											EA for extending TW A
Design: Extend TW A				\$400,000	\$20,000	\$360,000	\$20,000									\$20,000								Design of the extension of TW A to RW 18-36 north end. Aircraft utilizing the entire RW must currently back taxi on the RW to access the end. This creates a hazardous condition. To eliminate this condition TW A shall be extended to the RW end.
Construction: Extend TW A				\$4,000,000	\$200,000	\$3,600,000	\$200,000															\$200,000		Construction, Construction Admin, and Inspection only of TW A extension.
Siting Study: New ATCT				\$90,000	\$4,500	\$81,000	\$4,500					\$4,500												Complete an FAA required siting study to determine the ideal location for the future ATCT.
Short EA / Design: New ATCT				\$350,000	\$17,500	\$315,000	\$17,500						\$17,500											Short EA and Design services for the new ATCT. Existing ATCT is in poor condition. It was originally built as a temporary facility until a new facility could be built. The ATCT is located in prime location for future development.
Construction: New ATCT				\$3,500,000	\$175,000	\$3,150,000	\$175,000													\$175,000				Construction, Construction Admin, and Inspection only of the ATCT.
Design and Construction: South Apron Rehab				\$1,750,000	\$87,500	\$1,575,000	\$87,500																	South Apron, Section 4215 will need to be resurfaced per the 2015 PCI. It was assessed with a PCI value of 50.
Northeast Apron and Parking				\$3,272,000	\$163,600	\$2,944,800	\$163,600													\$87,500		\$163,600		Design and construct extension of TW B and adjacent new aircraft parking ramp.
Rehab Fuel Farm				\$500,000	\$400,000	\$0	\$400,000											\$100,000						Design and construct new fuel farm on the south side of the airport.
Obstruction Removal				\$1,000,000	\$50,000	\$900,000	\$50,000											\$50,000						Removal of all major obstructions on the Airport identified in previous study.
Sub-Totals:				\$31,894,000	\$2,574,950	\$27,528,300	\$2,574,950	\$61,400	\$15,750	\$160,000	\$160,000	\$267,750	\$267,750	\$277,500	\$264,750	\$277,500	\$277,500	\$264,750	\$267,750	\$277,500	\$258,600	\$258,600	\$485,000	
Totals:				\$34,440,250	\$2,769,590	\$29,819,925	\$2,769,590	\$86,500	\$50,635	\$160,000	\$160,000	\$267,750	\$267,750	\$277,500	\$264,750	\$277,500	\$277,500	\$264,750	\$267,750	\$277,500	\$258,600	\$258,600	\$485,000	
Design and Construction: Bulk Hangars				\$1,300,000	\$1,040,000	\$0	\$1,040,000												\$260,000					Design and Construction two 50 ft x 50 ft hangars (combines two of the JCAIP projects)
Design and Construction: West Apron Phase 2				\$1,000,000	\$800,000	\$0	\$800,000														\$200,000			Expansion of the west apron into the existing pond location. This project cannot be completed until the regional stormwater facility is completed because this impervious must be accounted for in the regional retention pond.
Sub-Totals:				\$2,300,000	\$1,840,000	\$0	\$1,840,000	\$0	\$0	\$0	\$160,000	\$260,000	\$527,750	\$0	\$0	\$277,500	\$0	\$0	\$260,000	\$0	\$200,000	\$200,000	\$0	
Totals:				\$36,740,250	\$4,609,590	\$29,819,925	\$4,609,590	\$86,500	\$50,635	\$160,000	\$160,000	\$527,750	\$527,750	\$277,500	\$264,750	\$277,500	\$277,500	\$264,750	\$527,750	\$0	\$200,000	\$458,600	\$485,000	

PROJECTS		INTERNATIONAL											
	FY	TOTAL COST	FDOT FUNDING	FAA FUNDING	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	DESCRIPTION
Replace PAPIs		\$170,000	\$13,600	\$153,000		\$3,400							Existing PAPIs are non-operational and beyond repair. Replace both existing PAPIs, their foundations and bury new conduit with conductor. Minor vault modifications are necessary.
Design: Runway 11-29 Rehab	2018	\$65,056	\$3,253	\$58,550	\$3,253								Design and Bidding to remediate the settlement under Runway 11-29 and to rehab the paved section within the affected area.
Sub-Totals:		\$235,056	\$16,853	\$211,550	\$3,253	\$3,400	\$0	\$0	\$0	\$0	\$0	\$0	
Access Control System		\$250,000	\$200,000	\$0				\$50,000					Phase 2 of Airport Security Program. Phase 2 consists of Access Control System, complete with gate controllers, monitoring database, badging system, etc.
Mitigation Maintenance and Monitoring		\$120,000	\$5,000	\$108,000		\$6,000							Continuation of mitigation maintenance and monitoring
North Area Sec. and Inf.	2016	\$2,260,587	\$131,394	\$2,129,193		\$0							Update: Project was bid and submitted for 100% FAA funding on October 31st. FAA funding requires additional design and Environmental Assessment as opposed to State funding. The State already paid 80% of design and bidding. This will result in no local cost under the FAA Supplementary Funding Bill. Construction is expected to start in July 2019. Heavy civil project on the north side of the airport. Scope includes removal of septic systems, construction of regional storm water pond, sanitary collection and forcemain, fencing upgrades and other drainage improvements.
Design: Rehab South Apron	2019	\$270,000	\$13,500	\$243,000	\$13,500								Existing apron is in poor condition and needs to be rehabilitated. PCI is in the very poor category based on 2012 inspection report. In addition, the existing apron is built below the flood plain and must be raised. Milling and resurfacing is planned with overbuild in areas below Flood Plain.
Construction: Rehab South Apron & RW 11-29	2019	\$2,700,000	\$135,000	\$2,430,000		\$83,000	\$52,000						Same as above.
Airport Master Plan and ALP Update		\$235,000	\$11,750	\$211,500					\$11,750				
Design and Construction: Runway 11-29 Rehab		\$2,500,000	\$125,000	\$2,250,000							\$125,000		Update the master plan and ALP to reflect the updates and vision of the airport. Mill and resurface the RW. The 2012 PCI was satisfactory however the report indicates it will need to be resurfaced in 2020. The programmed cost includes \$1M for remediation of the subsistence (dip) near the RW29 aiming points.
Land Acquisition		\$250,000	\$12,500	\$225,000				\$12,500					Triangle Parcel near south entrance. 2.44 acres. Parcel ID: 25-36-01-53-B.1
WHMP		\$90,000	\$4,500	\$81,000						\$4,500			Wildlife hazard management plan to address birds and other wildlife that have made negative impacts on the safety of the airport.
Sub-Totals:		\$8,675,587	\$639,644	\$7,677,693	\$13,500	\$89,000	\$52,000	\$62,500	\$11,750	\$4,500	\$125,000	\$0	
Totals:		\$8,910,643	\$656,497	\$7,889,243	\$16,753	\$92,400	\$52,000	\$62,500	\$11,750	\$4,500	\$125,000	\$0	
Design and Construction: FBO Office	2017	\$1,434,000	\$1,147,200	\$0		\$114,720	\$172,080						Phase 1A of a multi-phase/year approach to remove an older hangar which is currently penetrating the part 77 surfaces. This project includes constructing a facility for the public to have an FBO on the east side of the airport. Approximately 4,000 sf. of office space and 8,000 sf of hangar space.
Design and Construction: Maintenance Hangar		\$1,466,000	\$1,172,800	\$0				\$293,200					Phase 1B of a multi-phase/year approach to remove an older hangar which is currently penetrating the part 77 surfaces. This project includes constructing a facility for the public to have an FBO on the east side of the airport. Approximately 4,000 sf. of office space and 8,000 sf of hangar space.
Design: Port-A-Port Hangar Replacement	2018	\$131,100	\$104,880	\$0	\$26,220								Eight (8) Port-A-Port style hangars are shown as Existing Item number 23 on the Airport's approved Layout Plan and identified for demolition and replacement under the future building data table as Item J. Eight (8) Box Hangars, 35' x 42' with 22' maximum height). The Port-A-Port hangars have surpassed their expected service life where the cost to repair or rehabilitate has exceeded more than 50% of the value of the structures.
Construction: Port-A-Port Hangar Replacement	2018	\$1,440,000	\$1,152,000	\$0	\$144,000	\$144,000							Construction of above project
Design and Construction: Hangar (SCH)		\$1,348,000	\$1,078,400	\$0				\$269,600					Phase 3 of a multi-phase/year approach to remove an older hangar which is currently penetrating the part 77 surfaces. The hangar that Sebastian Communications (SC) currently operates from is in very poor condition, it is beyond the building restriction line and it penetrates the Part 77 surface. The construction of a new hangar in the appropriate location will resolve all of these issues. The Airport has determined in previous analysis by others that the appropriate size of this hangar should be nearly 70' by 70'. The ALP identifies a corporate hangar to be constructed. Approximately 5,000 sf of hangar and office space.
Design and Construction: North Apron		\$1,914,000	\$1,531,200	\$0						\$382,800			Phase 4 of a multi-phase/year approach to remove an older hangar which is currently penetrating the part 77 surfaces. This project would demolish the existing hangar vacated in Phase 3 and provide construction of new apron and rehabilitation of adjoining pavements that are in poor condition. This project will serve the increasing public requirement for additional apron space near the FBO.
Design and Construction: Box Hangars		\$1,546,000	\$1,236,800	\$0							\$309,200		Phase 5 of the multi-phase/year approach is to add Box Hangars. Merritt Island Airport currently has a waiting list for general aviation storage hangars that has 117 people in it as of September 2014. This project will provide a small relief to the list. The top person on the list has been waiting since 2008.
EA: Taxilane Development		\$250,000	\$12,500	\$225,000			\$12,500						EA for Alternative A T-Hangar Development
Design and Construct: Taxilane Development		\$2,500,000	\$125,000	\$2,250,000				\$125,000					Design and Construction of the taxilane(s) for entire development
Fuel Farm Design and Construction		\$450,000	\$380,000	\$0						\$90,000			New fuel farm on the south side of the airport.
Design and Construct: T-Hangar Development (16 Units)		\$3,200,000	\$2,560,000	\$0					\$640,000				Design and construction of 16 T-Hangars
Sub-Totals:		\$15,679,100	\$10,480,780	\$2,475,000	\$170,220	\$258,720	\$184,580	\$418,200	\$909,600	\$472,800	\$309,200	\$0	
Totals:		\$24,589,743	\$11,137,277	\$10,364,243	\$186,973	\$351,120	\$236,580	\$480,700	\$921,350	\$477,300	\$434,200	\$0	



TCAA
CIP: Arthur Dunn Airport
1/16/2019
AM

Michael Baker
INTERNATIONAL

OPERATIONAL, SAFETY, PRIORITY INFRASTRUCTURE IMPROVEMENT CREATES ADDITIONAL REVENUE		Funded (Year)	TCAA CIP: Arthur Dunn Airport 1/16/2019 AM											
														
PROJECTS			TOTAL COST	FDOT FUNDING	FAA FUNDING	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	DESCRIPTION
Replace PAPIs			\$170,000	\$13,600	\$153,000		\$3,400							Existing PAPIs are non-operational and beyond repair. Replace both existing PAPIs, their foundations and bury new conduit with conductor. Minor vault modifications are necessary.
Sub-Totals:			\$170,000	\$13,600	\$153,000	\$0	\$3,400	\$0	\$0	\$0	\$0	\$0	\$0	
Access Control System			\$150,000	\$120,000	\$0				\$30,000					Phase 2 of Airport Security Program. Phase 2 consists of Access Control System, complete with gate controllers, monitoring database, badging system, etc. This project will be combined into a future larger project across all 3 airports.
Design: Various Apron and T/W Rehab Construction:			\$80,000	\$4,000	\$72,000				\$4,000					Design services for the rehabilitation of multiple pavement areas identified in the 2012 PCI report as needing immediate repair. Repair is anticipated to be milling and resurfacing.
Various Apron and T/W Rehab			\$720,000	\$36,000	\$648,000					\$36,000				Construction, Construction Admin, and Inspection of milling and resurfacing of various pavements on the airfield.
Design and Construction: Turf Runway Stabilization			\$350,000	\$17,500	\$315,000		\$17,500							Existing turf RW is heavily used. Complaints from users about the smoothness of the surface have been expressed. Areas of the surface will need to be regraded and compacted for long term use. The transition as the turf runway crosses pavement areas is a concern and needs attention. Look at adding orange cones for utility runway visibility.
ALP Update with Narrative			\$75,000	\$3,750	\$67,500					\$3,750				ALP update with Narrative to focus on the airport development plans.
Airfield Marking Rehab			\$80,000	\$4,000	\$72,000		\$4,000							Inspections have indicated degraded markings on the airfield for 2 years. The project scope will remove and replace all airfield markings.
Maintenance Building			\$320,000	\$256,000	\$0		\$64,000							Design, bidding and construction of an airfield maintenance building necessary to store equipment and tools.
Rehab Signage and Vault			\$150,000	\$120,000	\$0				\$30,000					The electrical vault and airfield signage are in poor condition and past their useful design life; the scope of the project is to replace the existing airfield signage and reconstruct the electrical vault in an adjacent location.
Sub-Totals:			\$1,925,000	\$561,250	\$1,174,500	\$0	\$85,500	\$0	\$64,000	\$39,750	\$0	\$0	\$0	
Totals:			\$2,095,000	\$574,850	\$1,327,500	\$0	\$88,900	\$0	\$64,000	\$39,750	\$0	\$0	\$0	
Design and Construction: 3-Hangar Addition			\$430,000	\$344,000	\$0							\$86,000		Design and Construction of 3 hangars at X21 to support growth and demand of aviation tenant space.
Design and Construction: Corporate Hangar			\$2,500,000	\$2,000,000	\$0						\$500,000			Design and Construction of corporate hangar under 12,000SF to support growth and demand of aviation tenant space.
Sub-Totals:			\$2,930,000	\$2,344,000	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$86,000	\$0	
Totals:			\$5,025,000	\$2,918,850	\$1,327,500	\$0	\$88,900	\$0	\$64,000	\$39,750	\$500,000	\$86,000	\$0	