AIRPORT CAPITAL IMPROVEMENT PROGRAM

TAPPAHANNOCK ESSEX COUNTY AIRPORT, VIRGINIA ESSEX COUNTY AIRPORT AUTHORITY

N.B.: This is a working document that will be updated as necessary by Airport Authority staff.

Page		XSA/ DOAV	FAA		DOAV							
Part	PROJECT DESCRIPTION	FY	FY	FAA	CAPITAL	MAINT	F&E	SECURITY	PROMO		TOTAL	REMARKS
Article Marinance Spire Active Transparent (Section 19) Appet Parameter Appet Spire Active Marinance Spire (Article Marinance Spire) (Article Marinance Marina	Construct Hangars - Building and site	2014	2014	\$750,000	\$21,444						\$833,333	share and \$268,050 site work based on a 90/8/2 share maximizing the AIP fund available (AIP 3-51-0081-14; CF-0081-14)
Appen Continues Sign (a) Route 2000	Construct Hangars - Site, above AIP funds available	2014			\$135,133					\$33,787	\$168,920	
### AUGOT Overlag System (and one of opening and animal papers cabinet (and one of opening and animal papers (and one of opening and animal papers) (and one of opening and animal papers) (and one of opening and animal papers) (and one of opening and opening animal papers) (and opening animal papers) (animal papers) (animal papers) (animal papers) (animal papers) (animal papers) (animal paper	Airfield Maintenance Equipment (batwing, tractor)	2015				\$50,000				\$50,000	\$100,000	50% under state maintenance program, \$50,000 max state funds over 5-year period
August Cherwitz Zone Agrorated 2015 \$33,333 \$16000 Scale Cheeses & \$31,000 Scale Cheeses & \$30,000	Airport Entrance Sign (at Route 360)	2015			\$20,000					\$5,000	\$25,000	
Page	Airport Overlay Zone Approval	2015								\$1	\$1	
Affeld Maintenance	Refurbish AVGAS fuel tank and new dispenser cabinet	2015				\$33,333				\$16,667	\$50,000	State will participate up to 2/3rds of cost with a \$200,000 max over 25 years (used to be \$150,000 max but has increased making the \$50,000 available)
AWOS and tighting maintenance 2015 8,500 8	Airport Promotion	2015							\$5,000	\$5,000		
AWOS and ighting maintenance 2016 850,000 850,		2015				\$40,000				\$10,000		
Security flushed for the standard process of the sta	AWOS Maintenance	2015					\$9,500			\$500	\$10,000	State funds 95% on maint of AWOS equipment. Annual budget place holder
Setal additional security reporting and new gate 2016 S31,500 S35,000 S45,000 Guess on cost, mainly inserted cost for place holder. 90/10 State Local retails Interior and exterior security cameras 2016 S4,500 S5,000 S5,000 S05,000 S	AWOS and lighting maintenance	2015					\$8,000			\$2,000	\$10,000	State funds 80% on maint of lighting equipment. Annual budget place holder
Install Interior and exterior security cameras 2016 4,500 5,	Acquire fuel tender	2016				\$60,000				\$30,000	\$90,000	Guess on cost, mainly inserted cost for place holder. 2/3 state, 1/3 local
Apport Promotion	Install additional security fencing and new gate	2016						\$31,500		\$3,500	\$35,000	Guess on cost, mainly inserted cost for place holder. 90/10 State Local
Affield Maintenance 2016 \$40,000 \$10,000 \$50,000 General annual place holder for budge eigipment. Annual budget place holder with a MVGS Maintenance 2016 \$40,000 \$50,000 General annual place holder for budge eigipment. Annual budget place holder with a MVGS Maintenance 2016 \$50,000 \$50,000 \$50,000 \$10,000 State funds 80% on maint of lighting outprent. Annual budget place holder with a MVGS Maintenance \$50,000	Install Interior and exterior security cameras	2016						\$4,500		\$500	\$5,000	Guess on cost, mainly inserted cost for place holder. 90/10 State Local
AWOS Maintenance 2016 \$3,500 \$500 \$10,000 State funds 98% on maint of AWOS equipment. Annual budget place holder AWOS and lighting maintenance 2016 \$8,000 \$2,000 \$10,000 State funds 98% on maint of lighting equipment. Annual budget place holder Acquire airCraft tug 2017 2016 \$30,800 \$2,720 \$880 \$34,000 Angort Promotion 2017 \$40,000 \$5,000 \$5,000 \$25,000 Guess on cost, mainly instruct can go up to \$20k total cost) Artifold Maintenance 2017 \$40,000 \$5,000 \$5,000 Guesan cost, mainly instruct can go up to \$20k total cost) Artifold Maintenance 2017 \$40,000 \$5,000 \$5,000 Guesan cost, mainly lance holder on 25 based prace ho	Airport Promotion	2016							\$5,000	\$5,000	\$10,000	50/50 State/local based on >25 based aircraft (can go up to \$20k total cost)
AWOS and lighting maintenance 2016 \$8,000 \$2,000 \$10,000 State funds 80% on maint of lighting equipment. Annual budget place holder 2 parament Rehabilitation - Design 2017 \$80,000 \$2,700 \$85,000 \$35,0	Airfield Maintenance	2016				\$40,000				\$10,000	\$50,000	General annual place holder for budgeting
Exement Rehabilitation - Design 2017 2016 \$30,600 \$2,720 \$850 \$850 \$34,000 \$40	AWOS Maintenance	2016					\$9,500			\$500	\$10,000	State funds 95% on maint of AWOS equipment. Annual budget place holder
Acquire aircraft. fug	AWOS and lighting maintenance	2016					\$8,000			\$2,000	\$10,000	State funds 80% on maint of lighting equipment. Annual budget place holder
Airport Promotion	Pavement Rehabilitation - Design	2017	2016	\$30,600	\$2,720					\$680	\$34,000	
Auffeld Maintenance	Acquire aircraft tug	2017		, ,						\$25,000	\$25,000	Guess on cost, mainly inserted cost for place holder. 90/10 State Local
AWOS Maintenance 2017	Airport Promotion	2017							\$5,000	\$5,000	\$10,000	50/50 State/local based on >25 based aircraft (can go up to \$20k total cost)
AWOS and lighting maintenance 2017 \$8,000 \$2,000 \$10,000	Airfield Maintenance	2017				\$40,000			, ,	\$10,000	\$50,000	General annual place holder for budgeting
Pavement Rehabilitation - Construction (Apron, Taxiway & Runway 2018 2017 \$135,000 \$12,000 \$3,000 \$35,000 \$150,000 \$25,000 \$44,525 \$25,000 \$25	AWOS Maintenance	2017					\$9,500			\$500	\$10,000	State funds 95% on maint of AWOS equipment. Annual budget place holder
Crack Seal, Re-Mark & Sealcoat) 2018 2017 \$135,000 \$12,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$25,000 \$150,000 \$25,000 \$10,000 \$25,000 \$10,000 \$25,000 \$10,000 \$25,000 \$10,000 \$25,000 \$10,000 \$25,000 \$10,000 \$25,000 \$10,000 \$25,000 \$10,000 \$25,000	AWOS and lighting maintenance	2017					\$8,000			\$2,000	\$10,000	State funds 80% on maint of lighting equipment. Annual budget place holder
Participation 80% state, 20% (local (maybe 81.9% state, 18.1% local based on original determination 90% state, 20% (local (maybe 81.9% state, 18.1% local based on original determination 60% state, 20% (local (maybe 81.9% state, 18.1% local based on original determination 61% state)		2018	2017	\$135,000	\$12,000					\$3,000	\$150,000	Estimated cost - Will be updated based on bids received in Spring 2017
Airport Promotion 2018 \$40,000 \$5,000 \$5,000 \$10,000 \$05/50 State/local based on >25 based aircraft (can go up to \$20k total cost)	·	2018			\$20,475					\$4,525	\$25,000	
AWOS Maintenance 2018 \$9,500 \$10,000 \$tate funds 95% on maint of AWOS equipment. Annual budget place holder \$8,000 \$10,000 \$tate funds 80% on maint of lighting equipment. Annual budget place holder \$8,000 \$10,000 \$tate funds 80% on maint of lighting equipment. Annual budget place holder Environmental Assessment - Re-Evaluation & Cultural Resources Survey (Parallel TW/Non Aeronautical Use Site) \$2019 \$2018 \$270,000 \$24,000 \$24,000 \$50,000 \$50,000 \$50,000 \$50,500 \$10,000 \$50,500 \$50,	Airport Promotion	2018							\$5,000	\$5,000	\$10,000	
AWOS and lighting maintenance 2018 \$2,000 \$10,000 State funds 80% on maint of lighting equipment. Annual budget place holder Environmental Assessment - Re-Evaluation & Cultural Resources Survey (Parallel TW/Non Aeronautical Use Site) 2019 2018 \$270,000 \$24,000 \$2019 \$24,000 \$2019 \$24,000 \$2019 \$24,000 \$2019 \$20	Airfield Maintenance	2018				\$40,000				\$10,000	\$50,000	General annual place holder for budgeting
Environmental Assesment - Re-Evaluation & Cultural Resources Survey (Parallel TW/Non Aeronautical Use Site) 2019 2018 \$270,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$25,000 \$300,000	AWOS Maintenance	2018					\$9,500			\$500	\$10,000	State funds 95% on maint of AWOS equipment. Annual budget place holder
Environmental Assessment - Re-Evaluation & Cultural Resources Survey (Parallel TW/Non Aeronautical Use Site) 2019 2018 \$270,000 \$24,000 \$24,000 \$24,000 \$24,000 \$2019 \$	AWOS and lighting maintenance	2018					\$8,000			\$2,000	\$10,000	State funds 80% on maint of lighting equipment. Annual budget place holder
Airport Promotion 2019 \$10,000 \$5,000 \$10,000 \$50,000 \$10,000 \$50,000 \$50,000 \$10,000 \$50,000		2019	2018	\$270,000	\$24,000					\$6,000	\$300,000	year grant) to start project in CY 2016 vs. waiting a year to build entitlements and
Airfield Maintenance 2019 \$40,000 \$10,000 \$50,000 General annual place holder for budgeting AWOS Maintenance 2019 \$9,500 \$10,000 State funds 95% on maint of AWOS equipment. Annual budget place holder AWOS and lighting maintenance 2019 \$8,000 \$10,000 State funds 80% on maint of lighting equipment. Annual budget place holder Parallel Taxiway - Design \$200 \$0.00 \$24,000 \$0.00 \$10,000 State funds 80% on maint of lighting equipment. Annual budget place holder Airport Promotion \$200 \$0.00 \$24,000 \$0.00 \$10,000 \$10,	Airport Promotion	2019				-			\$5,000	\$5,000	\$10,000	
AWOS Maintenance 2019 \$9,500 \$10,000 State funds 95% on maint of AWOS equipment. Annual budget place holder AWOS and lighting maintenance 2019 \$8,000 \$10,000 State funds 80% on maint of lighting equipment. Annual budget place holder Parallel Taxiway - Design 2020 2019 \$270,000 \$24,000 \$6,000 \$300,000 Estimate of cost, no formal cost development made. Airport Promotion 2020 \$5,000 \$5,000 \$10,000 50/50 State/local based on >25 based aircraft (can go up to \$20k total cost) Airfield Maintenance 2020 \$40,000 \$10,000 \$50,000 General annual place holder for budgeting AWOS Maintenance 2020 \$9,500 \$5,000 State funds 95% on maint of AWOS equipment. Annual budget place holder						\$40.000			ψο,σσο	4 - 7		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
AWOS and lighting maintenance 2019 \$8,000 \$10,000 State funds 80% on maint of lighting equipment. Annual budget place holder Parallel Taxiway - Design 2020 2019 \$270,000 \$24,000 \$6,000 \$300,000 Estimate of cost, no formal cost development made. Airport Promotion 2020 \$5,000 \$5,000 \$10,000 50/50 State/local based on >25 based aircraft (can go up to \$20k total cost) Airfield Maintenance 2020 \$40,000 \$10,000 \$50,000 General annual place holder for budgeting AWOS Maintenance 2020 \$9,500 \$500 \$10,000 State funds 95% on maint of AWOS equipment. Annual budget place holder						Ţ .0,000	\$9.500			, ,		i ü
Parallel Taxiway - Design 2020 2019 \$270,000 \$24,000 \$6,000 \$300,000 Estimate of cost, no formal cost development made. Airport Promotion 2020 \$5,000 \$5,000 \$10,000 50/50 State/local based on >25 based aircraft (can go up to \$20k total cost) Airfield Maintenance 2020 \$40,000 \$10,000 \$50,000 General annual place holder for budgeting AWOS Maintenance 2020 \$9,500 \$500 \$10,000 State funds 95% on maint of AWOS equipment. Annual budget place holder										7		
Airport Promotion 2020 \$5,000 \$5,000 \$10,000 50/50 State/local based on >25 based aircraft (can go up to \$20k total cost) Airfield Maintenance 2020 \$40,000 \$10,000 \$50,000 General annual place holder for budgeting AWOS Maintenance \$9,500 \$9,500 \$10,000 State funds 95% on maint of AWOS equipment. Annual budget place holder	Parallel Taxiway - Design	2020	2019	\$270 000	\$24 000					\$6,000	· /	
Airfield Maintenance 2020 \$40,000 \$10,000 \$50,000 General annual place holder for budgeting AWOS Maintenance \$2020 \$9,500 \$10,000 State funds 95% on maint of AWOS equipment. Annual budget place holder	, 0		2010	Ψ210,000	Ψ2-4,000				\$5,000	4 - 7		
AWOS Maintenance \$9,500 \$10,000 State funds 95% on maint of AWOS equipment. Annual budget place holder	F 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					\$40,000			ψ5,000	4 - 7		
						ψ-τυ,υυυ	\$9.500			7 -)		
MANA O GIO DO DIO DI	AWOS and lighting maintenance	2020					\$8.000			\$2,000		State funds 80% on maint of lighting equipment. Annual budget place holder

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	XSA/ DOAV	FAA				DOAV				
PROJECT DESCRIPTION	FY	FY	FAA	CAPITAL	MAINT	F&E	SECURITY	PROMO	AIRPORT/L OCALŤ	TOTAL REMARKS
Parallel Taxiway - Construction	2021	2020	\$1,800,000	\$160,000					\$40,000	\$2,000,000 Estimate of cost, no formal cost development made.
Site Preparation - Single Open Span Hangar area - Design	2021			\$60,000					\$15,000	\$75,000 Estimate of cost, no formal cost development made.
Airport Promotion	2021							\$5,000	\$5,000	\$10,000 50/50 State/local based on >25 based aircraft (can go up to \$20k total cost)
Airfield Maintenance	2021				\$40,000				\$10,000	\$50,000 General annual place holder for budgeting
AWOS Maintenance	2021					\$9,500			\$500	\$10,000 State funds 95% on maint of AWOS equipment. Annual budget place holder
AWOS and lighting maintenance	2021					\$8,000			\$2,000	\$10,000 State funds 80% on maint of lighting equipment. Annual budget place holder
Runway Extension Justification Study	2022	2021	\$135,000	\$12,000					\$3,000	\$150,000 Estimate of cost, no formal cost development made.
Site Preparation - Single Open Span Hangar area - Construction	2022			\$400,000					\$100,000	\$500,000 Estimate of cost, no formal cost development made.
Airport Promotion	2022							\$5,000	\$5,000	\$10,000 50/50 State/local based on >25 based aircraft (can go up to \$20k total cost)
Airfield Maintenance	2022				\$40,000				\$10,000	\$50,000 General annual place holder for budgeting
AWOS Maintenance	2022					\$9,500			\$500	\$10,000 State funds 95% on maint of AWOS equipment. Annual budget place holder
AWOS and lighting maintenance	2022					\$8,000			\$2,000	\$10,000 State funds 80% on maint of lighting equipment. Annual budget place holder
Runway Extension - Environmental Assessment	2023	2022	\$270,000	\$24,000					\$6,000	\$300,000 Estimated cost, no formal cost development made.
Airport Promotion	2023							\$5,000	\$5,000	\$10,000 50/50 State/local based on >25 based aircraft (can go up to \$20k total cost)
Airfield Maintenance	2023				\$40,000				\$10,000	\$50,000 General annual place holder for budgeting
AWOS Maintenance	2023					\$9,500			\$500	\$10,000 State funds 95% on maint of AWOS equipment. Annual budget place holder
AWOS and lighting maintenance	2023					\$8,000			\$2,000	\$10,000 State funds 80% on maint of lighting equipment. Annual budget place holder
Runway Extension - Permitting & Mitigation	2024	2023	\$90	\$8					\$2	\$100 Placeholder (if needed) - scope not sufficient to provide estimate
Airport Promotion	2024							\$5,000	\$5,000	\$10,000 50/50 State/local based on >25 based aircraft (can go up to \$20k total cost)
Airfield Maintenance	2024				\$40,000				\$10,000	\$50,000 General annual place holder for budgeting
AWOS Maintenance	2024					\$9,500			\$500	\$10,000 State funds 95% on maint of AWOS equipment. Annual budget place holder
AWOS and lighting maintenance	2024					\$8,000			\$2,000	\$10,000 State funds 80% on maint of lighting equipment. Annual budget place holder
Runway Extension - Design	2025	2024	\$90	\$8					\$2	\$100 Placeholder - scope not sufficient to provide estimate
Airport Promotion	2025							\$5,000	\$5,000	\$10,000 50/50 State/local based on >25 based aircraft (can go up to \$20k total cost)
Airfield Maintenance	2025				\$40,000				\$10,000	\$50,000 General annual place holder for budgeting
AWOS Maintenance	2025					\$9,500			\$500	\$10,000 State funds 95% on maint of AWOS equipment. Annual budget place holder
AWOS and lighting maintenance	2025					\$8,000			\$2,000	\$10,000 State funds 80% on maint of lighting equipment. Annual budget place holder
Runway Extension - Construction	2026	2025	\$90	\$8					\$2	\$100 Placeholder - scope not sufficient to provide estimate
Airport Promotion	2026							\$5,000	\$5,000	\$10,000 50/50 State/local based on >25 based aircraft (can go up to \$20k total cost)
Airfield Maintenance	2026				\$40,000				\$10,000	\$50,000 General annual place holder for budgeting
AWOS Maintenance	2026					\$9,500			\$500	\$10,000 State funds 95% on maint of AWOS equipment. Annual budget place holder
AWOS and lighting maintenance	2026					\$8,000			\$2,000	\$10,000 State funds 80% on maint of lighting equipment. Annual budget place holder
TOTALS			\$3,660,870	\$915,796	\$583,333	\$192,500	\$36,000	\$55,000	\$603,055	\$6,046,554

	Entitlement		Fun	ding	
FAA FY	Available	AIP Total	Entitlement	Discretionary	
2016	\$150,000	\$30,600	\$30,600	\$-	
2017	\$269,400	\$135,000	\$135,000	\$-	
2018	\$284,400	\$270,000	\$270,000	\$-	
2019	\$164,400	\$270,000	\$164,400	\$105,600	
2020	\$150,000	\$1,800,000	\$150,000	\$1,650,000	
2021	\$150,000	\$135,000	\$135,000	\$-	
2022	\$165,000	\$270,000	\$165,000	\$105,000	
2023	\$150,000	\$90	\$90	\$-	
2024	\$299,910	\$90	\$90	\$-	
2025	\$449,820	\$90	\$90	\$-	

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	XSA/ DOAV	FAA		DOAV							
PROJECT DESCRIPTION	FY	FY	FAA	CAPITAL	MAINT	F&E	SECURITY	PROMO	AIRPORT/L OCALŤ	TOTAL	REMARKS

The practice of the Essex County Airport Authority is always to seek federal and state grants whenever possible to meet Airport Capital Improvement and Maintenance needs. However, local funds may be required for such needs either as "the local match" to obtain a state or federal grant, or because no grants are available for the specific need. Local funds may occasionally be met from a "set aside" from the Airport's operational funds, or they may be met from a request to Essex County for assistance as part of joint Airport/County planning.