

FAC 1461 Aircraft Arresting System

FY25 SUC: \$106,830.96 / EA

Source: Inflated from previous FY using ENR labor and material cost indices to measure actual inflation

Original Source: AFCEC Study, FY2021

FAC 1461 - AIRCRAFT ARRESTING SYSTEM			UM: EA	ESL: 10			Mx (in hrs)										LABOR							
BARRIER	INSP TYPE	DESCRIPTION	COMPONENT	(MATERIAL) COST TO MX (in dollars per yr)	COST TO REPLACE	Daily	Wkly	Mo	Qtrly	Yrly	2 Yr	3 Yr	4 Yr	10 Yr	TOTAL HRS	LABOR RATE	LABOR COST	Freq (in days)	Replacement Frequency (Years)	Annual Cost				
BAK-12	LUBRICATION SCHEDULE	FAIRLEAD AND RUNWAY COMPONENT INSPECTION	Pendant (Arresting Cable)	\$75.00	\$0.00													365	1	\$75.00				
			Sheave, Deflector (3.5 yr bearing repack)	\$150.00	\$0.00													1277.5	3.5	\$42.86				
			Sheave, Fairlead	\$0.00	\$0.00													365	1	\$0.00				
			Sheave, Fairlead Lead-On	\$0.00	\$0.00													365	1	\$0.00				
			Sheave, Runway Edge (3.5 yr bearing repack)	\$225.00	\$0.00													1277.5	3.5	\$64.29				
		ENERGY ABSORBER INSPECTION	Cam Gear Reducer (all gear boxes/fluid couplings, semi-annual)	\$117.26	\$0.00														182.5	0.5	\$234.52			
			Carrier Assembly	\$0.00	\$0.00														365	1	\$0.00			
			Control Valve Linkage	\$0.00	\$0.00														365	1	\$0.00			
			Drive Chains (10w oil, all components)	\$16.50	\$0.00														182.5	0.5	\$33.00			
			Fluid Coupling	\$0.00	\$0.00														365	1	\$0.00			
			Phenolic Pads	\$0.00	\$0.00														365	1	\$0.00			
			Rewind Gear Reducer	\$0.00	\$0.00														365	1	\$0.00			
			Sheave, Engine Base (3.5 yr bearing repack)	\$75.00	\$0.00	361.77	63.35	30.94	8.73	7.97	2.00	0.66	1.00	3.60	480.013	\$33.86	\$16,252.34	1277.5	3.5	\$21.43				
			Sprockets	\$0.00	\$0.00														365	1	\$0.00			
			Swivel Joint	\$0.00	\$0.00														365	1	\$0.00			
			Tachometer Drive Unit	\$0.00	\$0.00														365	1	\$0.00			
			Tachometer Drive Pillow Block	\$0.00	\$0.00														365	1	\$0.00			
			Tensioner, Synch Chain	\$0.00	\$0.00														365	1	\$0.00			
			Tensioner, Rewind	\$0.00	\$0.00														365	1	\$0.00			
			Synch, Right Angle Drive	\$0.00	\$0.00														365	1	\$0.00			
			Synchronizer Sprockets, Chain and Idler Sprocket	\$0.00	\$0.00														365	1	\$0.00			
			Pillow Block Bearings	\$0.00	\$0.00														365	1	\$0.00			
		REWIND ENGINE INSPECTION	Wisconsin Engine (Semi-annual)	\$45.30	\$0.00														182.5	0.5	\$90.60			
			Deutz Engine (Annual)	\$115.25	\$0.00														365	1	\$115.25			
			Overcenter Clutch	\$0.00	\$0.00														365	1	\$0.00			
	MX	PREVENTIVE MX SCHED	Pendant (Arresting Cable) 303 FT	\$0.00	\$11,951.89	-	-	-	-	-	-	-	-	-	-	0	-	-	1095	3	\$3,983.96			
			Crop End of Tape	\$0.00	\$20.00	-	-	-	-	-	-	-	-	-	-	-	0	-	-	182.5	0.5	\$40.00		
			Turn Tape End-for-End	\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00		
			Synchronize Units and Proof Test Hydraulic Sys	\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00		
			Perform Functional Check Out	\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00		
			Clean Entire Equipment	\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00		
			Replace Tape	\$0.00	\$20,512.94	-	-	-	-	-	-	-	-	-	-	-	0	-	-	1460	4	\$5,128.24		
			Change Rewind Engine Oil Filter	\$0.00	\$5.73	-	-	-	-	-	-	-	-	-	-	-	0	-	-	182.5	0.5	\$11.46		
			Clean Rewind Engine Air Filter	\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00		
			Bleed Brakes	\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00		
			Bleed Clutch	\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00		
			Bleed Max Brake Pressure Guage	\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00		
			Drain Rewind Engine Exhaust Moisture Trap	\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00		
			Anchor Inspection	\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00		
			Mx Records	\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00		
			OTHER (Minor Mx)	MX Purchases (PER YEAR)	Support Disks (200)	\$0.00	\$3,064.00	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$3,064.00	
					Pendant tie-downs (3/8 IN rope)	\$0.00	\$260.87	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$260.87
					tape connector (1 ea)	\$0.00	\$1,427.14	-	-	-	-	-	-	-	-	-	-	-	0	-	-	182.5	0.5	\$2,854.28
					spray paint (12 cans)	\$0.00	\$86.39	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$86.39
					4 tubes of grease	\$0.00	\$148.60	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$148.60
					Pendant Cable (303')	\$0.00	\$11,951.89	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$11,951.89
					Purchase Tape	\$0.00	\$20,512.94	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$20,512.94
				tape brush (2 each)	\$0.00	\$245.70	-	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$245.70	
				DEPOT LEVEL OVERHAUL	2 BAK-12 Absorbers	\$316,575.10	\$0.00	-	-	-	-	-	-	-	-	-	-	0	-	-	3650	10	\$31,657.51	
				DEPOT LEVEL OVERHAUL	2 Fairlead Beams	\$41,579.58	\$0.00	-	-	-	-	-	-	-	-	-	-	0	-	-	3,650	10	\$4,157.96	

* Labor determined as hourly rate for a Wage Grade 10 + Fringe as defined by OMB Circular A-25 at 36.25%.

Annual Labor Cost	\$16,252.34
Annual Consumables Cost	\$84,780.74
SUC	\$101,033.08