

**FAC 1467 AIRCRAFT SUPPORT FACILITY**

FY22 SUC:	\$12,559.93 / EA
Source:	Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 1467 AIRCRAFT SUPPORT FACILITY

Release 2021 Qtr 3  
Zip Code Prefix 222  
Type MR

UM EA  
Design Life 45  
Average Size 1.0

SUC \$12,559.93

Adjusted Occurrences are the occurrences remaining after subtracting Repair/Replacement Overlaps. Overlap reduction removes a repair when it occurs the same year as a replacement.

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost	
Maintenance and inspection motor starter, up to 600 V	0.5	2.00 Ea.	\$107.96	\$135.26	90.0000	90	90	\$12,173.41	\$12,173.41	
Replace starter motor starter, up to 600 V	18	2.00 Ea.	\$1,610.62	\$1,916.15	2.5000	2	2	\$3,832.30	\$3,832.30	
Maintenance and repair secondary transformer, dry	10	1.00 Ea.	\$232.44	\$278.27	4.5000	4	4	\$1,113.07	\$1,113.07	
Maintenance and inspection secondary transformer, dry	0.5	1.00 Ea.	\$80.65	\$101.05	90.0000	90	90	\$9,094.26	\$9,094.26	
Replace transformer 15 KVA	30	1.00 Ea.	\$3,370.89	\$4,008.55	1.5000	1	1	\$4,008.55	\$4,008.55	
Repair failed breaker, molded case, 600 V, 3 pole	10	4.00 Ea.	\$1,488.27	\$1,770.52	4.5000	4	4	\$7,082.10	\$7,082.10	
Maintenance and inspection circuit breaker, molded case, 600 V, 3 pole	0.33	4.00 Ea.	\$129.55	\$162.31	136.3636	136	136	\$22,074.46	\$22,074.46	
Replace circuit breaker molded case, 600 V, 3 pole circuit breaker	50	4.00 Ea.	\$20,755.70	\$23,757.96	0.9000	0	0	\$0.00	\$0.00	
Replace circuit breaker enclosed, 600 V, 3 pole circuit breaker 800 A	50	1.00 Ea.	\$8,503.27	\$9,867.30	0.9000	0	0	\$0.00	\$0.00	
Maintenance and repair safety switch, 3 pole safety switch, heavy duty	8	1.00 Ea.	\$40.64	\$50.92	5.6250	5	5	\$254.61	\$254.61	
Replace metal halide fixture lamp, 400 W	5	4.00 Ea.	\$265.55	\$319.23	9.0000	9	9	\$2,873.03	\$2,873.03	
Replace metal halide fixture, 400 W	20	4.00 Ea.	\$3,407.27	\$4,044.23	2.2500	2	2	\$8,088.45	\$8,088.45	
Maintenance and repair of general wiring lightning protection system	1	0.50 M.L.F.	\$48.36	\$59.91	45.0000	45	45	\$2,696.10	\$2,696.10	
Replace lightning protection general wiring system	25	0.50 M.L.F.	\$5,504.56	\$6,548.00	1.8000	1	1	\$6,548.00	\$6,548.00	
Maintenance and repair lightning ground rod	1	1.00 Ea.	\$87.89	\$109.79	45.0000	45	44	\$4,940.42	\$4,830.63	
Replace lightning ground rod	25	1.00 Ea.	\$226.09	\$280.29	1.8000	1	1	\$280.29	\$280.29	
Check and adjust 25 H.P. compressor	1	2.00 Ea.	\$169.33	\$211.76	45.0000	45	45	\$9,529.35	\$9,529.35	
Replace 25 H.P. compressor	25	2.00 Ea.	\$49,954.34	\$58,001.09	1.8000	1	1	\$58,001.09	\$58,001.09	
Check operation compressed air systems	1	2.00 Ea.	\$47.80	\$59.77	45.0000	45	45	\$2,689.83	\$2,689.83	
General maintenance pipe & fittings, compressed air	2	1.00 M.L.F.	\$36.93	\$46.19	22.5000	22	22	\$1,016.16	\$1,016.16	
Replace pipe and fittings, compressed air	75	2,500.00 L.F.	\$442,929.71	\$551,517.58	0.6000	0	0	\$0.00	\$0.00	
Maintenance and repair inverter	1	2.00 Ea.	\$1,618.10	\$1,933.44	45.0000	45	45	\$87,004.89	\$87,004.89	
Maintenance and inspection inverter	0.25	2.00 Ea.	\$259.11	\$324.62	180.0000	180	180	\$58,432.39	\$58,432.39	
Replace 1 KVA inverter	20	2.00 Ea.	\$8,449.21	\$9,641.03	2.2500	2	2	\$19,282.06	\$19,282.06	
Maintenance and repair motor starter, up to 600 V	5	2.00 Ea.	\$559.28	\$675.20	9.0000	9	9	\$6,076.76	\$6,076.76	
			\$549,883.53	\$675,820.42				MR Subtotal	\$326,981.78	
									MR Per Year	\$7,266.26
									PM Total	\$5,293.67
									Subtotal	\$12,559.93

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
								Total Per Unit	\$12,559.93

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SUC \$12,559.93

Release 2021 Qtr 3  
Zip Code Prefix 222  
Type PM

UM EA  
Design Life 45  
Average Size 1.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Panelboard, 225 A and above, annualized	1.00	0.44	\$23.20	\$29.01	\$0.00	\$52.21	\$63.23	\$75.41
Transformer, dry type 500 KVA and over, annualized	1.00	0.77	\$15.16	\$50.76	\$0.00	\$65.92	\$82.66	\$100.17
Power stablizer, annualized	2.00	1.25	\$18.56	\$73.56	\$0.00	\$92.11	\$116.04	\$140.89
Switchboard, annualized	1.00	0.70	\$3.99	\$46.10	\$0.00	\$50.09	\$64.32	\$78.75
Air compressor, centrifugal, over 40 H.P., annualized	2.00	29.78	\$177.94	\$1,806.05	\$0.00	\$1,983.99	\$2,543.59	\$3,112.10
Extinguishing system, FM200, annualized	1.00	9.26	\$611.65	\$462.52	\$0.00	\$1,074.18	\$1,274.10	\$1,504.61
Motor control center, over 400 A, annualized	4.00	1.56	\$92.79	\$103.60	\$0.00	\$196.39	\$236.75	\$281.75
						\$3,514.89	\$4,380.70	\$5,293.67



# **FAC 1467 AIRCRAFT SUPPORT FACILITY**

## **Modeled Component List**

### **CostWorks Release 2021 Qtr 3**

#### **D50 Electrical**

Motor Starter, Up To 600 V	2.0 Ea.
Secondary Transformer, Dry, 15 KVA	1.0 Ea.
Circuit Breaker, molded case, 600 V, 3 pole	4.0 Ea.
Fixture 400 W	4.0 Ea.
Lightning Protection System	0.5 M.L.F.
Lightning Ground Rod	1.0 Ea.
Inverter	2.0 Ea.

#### **D20 Plumbing**

Compressed Air Systems, Compressors, 25 H.P.	2.0 Ea.
Compressed Air Systems, Compressors, Check operation	2.0 Ea.

#### **D40 Fire Protection**

Extinguishing system, FM200	1.0 Each
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Sustainment by Year  
CostWorks Release 2021 Qtr 3

