

FAC 2124 MISSILE TEST TOWER

FY22 SUC: \$6,468.73 / EA
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 2124 MISSILE TEST TOWER

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM EA
Design Life 30
Average Size 1.0

SUC \$6,468.73

Adjusted Occurences 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
Minor repairs to concrete floor unfinished	15	300.00 S.F.	\$11,816.53	\$14,332.12	2.0000	2	2	\$28,664.25	\$28,664.25
Replace unfinished concrete floor	75	4.00 C.S.F.	\$2,236.65	\$2,659.08	0.4000	0	0	\$0.00	\$0.00
Replace fuse	25	22.00 Ea.	\$9,089.61	\$10,443.36	1.2000	1	1	\$10,443.36	\$10,443.36
Replace service cable	50	1.50 M.L.F.	\$4,667.85	\$5,714.38	0.6000	0	0	\$0.00	\$0.00
Maintenance and repair breaker, molded case, 480 V, 1 pole	20	12.00 Ea.	\$861.15	\$1,078.90	1.5000	1	1	\$1,078.90	\$1,078.90
Repair failed breaker, molded case, 600 V, 3 pole	10	12.00 Ea.	\$4,464.82	\$5,311.57	3.0000	3	3	\$15,934.72	\$15,934.72
Maintenance and repair safety switch, 3 pole safety switch, heavy duty	8	16.00 Ea.	\$650.31	\$814.74	3.7500	3	3	\$2,444.23	\$2,444.23
Maintenance and repair wiring devices, switches	10	25.00 Ea.	\$1,056.09	\$1,318.47	3.0000	3	3	\$3,955.40	\$3,955.40
Replace wiring devices, switches	15	2.00 Ea.	\$130.76	\$162.44	2.0000	2	2	\$324.89	\$324.89
Maintenance and repair electrical service ground	25	2.00 M.L.F.	\$175.78	\$219.57	1.2000	1	1	\$219.57	\$219.57
Replace EMT conduit, 1" diameter	50	0.20 M.L.F.	\$1,818.35	\$2,211.99	0.6000	0	0	\$0.00	\$0.00
Replace lamp with exit light L.E.D. retrofit kits	15	2.00 Ea.	\$144.23	\$166.83	2.0000	2	2	\$333.65	\$333.65
Maintenance and inspection patch panel	0.5	2.00 Ea.	\$172.74	\$216.42	60.0000	60	60	\$12,984.98	\$12,984.98
Replace patch panel	15	2.00 Ea.	\$1,647.06	\$1,985.05	2.0000	2	2	\$3,970.11	\$3,970.11
Maintenance and repair voice/data outlet	10	6.00 Ea.	\$307.76	\$384.35	3.0000	3	3	\$1,153.05	\$1,153.05
Replace motor generator UPS battery	15	1.00 Ea.	\$1,100.97	\$1,301.40	2.0000	2	2	\$2,602.81	\$2,602.81
Maintenance and repair lightning ground rod	1	2.00 Ea.	\$175.78	\$219.57	30.0000	30	29	\$6,587.23	\$6,367.66
Replace lightning ground rod	25	2.00 Ea.	\$452.18	\$560.58	1.2000	1	1	\$560.58	\$560.58
			\$40,968.61	\$49,100.84				MR Subtotal	\$91,038.15
								MR Per Year	\$3,034.60
								PM Total	\$3,434.13
								Subtotal	\$6,468.73
								Total Per Unit	\$6,468.73

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Average Size 1.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Controls, central system, electro/pneumatic, annualized	1.00	1.92	\$70.77	\$115.41	\$0.00	\$186.18	\$227.88	\$273.12
Extinguishing system, foam pump diesel, annualized	1.00	22.16	\$808.80	\$1,123.28	\$0.00	\$1,932.08	\$2,349.94	\$2,808.24
Circuit breaker, high voltage air, annually	1.00	0.47	\$15.16	\$31.08	\$0.00	\$46.24	\$57.08	\$68.67
Transformer, dry type 500 KVA and over, annually	1.00	0.77	\$15.16	\$50.76	\$0.00	\$65.92	\$82.66	\$100.17
Light, emergency, hardwired system, annualized	1.00	0.25	\$7.73	\$14.76	\$0.00	\$22.50	\$27.70	\$33.29
Cathodic protection system, annualized	1.00	1.46	\$19.33	\$79.05	\$0.00	\$98.38	\$124.03	\$150.64
						\$2,351.29	\$2,869.28	\$3,434.13

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Modeled Component List
CostWorks Release 2021 Qtr 3

D50 Electrical	
Cable, Service	1.5 M.L.F.
UPS Battery, replace motor	1.0 Ea.
Lightning Ground Rod	2.0 Ea.
G40 Site Electrical Utilities	
Cathodic Protection, annualized	1.0 Each

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Sustainment by Year
CostWorks Release 2021 Qtr 3

