

FAC 2123 MISSILE/LAUNCHER MAINTENANCE SUPPORT FACILITY

FY22SUC: \$4.51 / SF
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 2123 MISSLE/LAUNCHER MAINTENANCE SUPPORT FACILITY

SUC \$4.51

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 31

Type MR

Average Size 11438.0

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
Point and refinish painted concrete block wall, 1st floor	25	38.90 C.S.F.	\$18,274.33	\$22,554.42	1.2400	1	1	\$22,554.42	\$22,554.42
Replace aluminum siding, 1st floor	35	13.00 C.S.F.	\$7,596.49	\$9,147.75	0.8857	0	0	\$0.00	\$0.00
Repair steel, painted, door	14	2.00 Ea.	\$1,250.15	\$1,488.01	2.2143	2	2	\$2,976.02	\$2,976.02
Refinish 3'-0" x 7'-0" steel, painted, door	4	2.00 Ea.	\$82.80	\$101.73	7.7500	7	7	\$712.13	\$712.13
Replace 3'-0" x 7'-0" steel, painted, door	45	2.00 Ea.	\$1,410.13	\$1,639.46	0.6889	0	0	\$0.00	\$0.00
Refinish 12' x 24' steel double roll-up door	5	4.00 Ea.	\$1,631.44	\$1,998.31	6.2000	6	6	\$11,989.84	\$11,989.84
Replace 12' x 24' steel double roll-up door	35	4.00 Ea.	\$21,628.66	\$25,670.94	0.8857	0	0	\$0.00	\$0.00
Debris removal, by hand and visual inspection, metal panel roofing	1	11.40 M.S.F.	\$259.74	\$316.80	31.0000	31	31	\$9,820.90	\$9,820.90
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	228.00 S.F.	\$796.42	\$955.54	6.2000	6	6	\$5,733.24	\$5,733.24
Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing	1	10.00 S.F.	\$183.00	\$221.72	31.0000	31	31	\$6,873.47	\$6,873.47
Minor metal roof panel replacement, 2.5% of roof area	20	285.00 S.F.	\$3,256.87	\$3,868.04	1.5500	1	1	\$3,868.04	\$3,868.04
Total metal roof panel replacement	30	114.40 Sq.	\$96,684.77	\$114,516.26	1.0333	1	1	\$114,516.26	\$114,516.26
Repair 8" concrete block wall - (2% of walls) painted	25	1.40 C.S.F.	\$1,525.52	\$1,831.70	1.2400	1	1	\$1,831.70	\$1,831.70
Refinish concrete block wall painted	4	72.20 C.S.F.	\$7,286.33	\$8,872.53	7.7500	7	7	\$62,107.69	\$62,107.69
Replace 8" concrete block wall painted	75	72.20 C.S.F.	\$83,641.19	\$100,618.87	0.4133	0	0	\$0.00	\$0.00
Replace insulating glass (3% of glass) fully glazed wooden doors	1	0.20 S.F.	\$11.32	\$13.16	31.0000	31	31	\$407.86	\$407.86
Repair fully glazed wood door	10	2.00 Ea.	\$586.90	\$683.13	3.1000	3	3	\$2,049.38	\$2,049.38
Refinish 3'-0" x 7'-0" fully glazed wood door	4	2.00 Ea.	\$140.71	\$174.38	7.7500	7	7	\$1,220.63	\$1,220.63
Replace 3'-0" x 7'-0" fully glazed wood door	40	2.00 Ea.	\$2,277.72	\$2,647.81	0.7750	0	0	\$0.00	\$0.00
Repair steel painted interior door	14	12.00 Ea.	\$3,521.43	\$4,098.77	2.2143	2	2	\$8,197.54	\$8,197.54
Refinish 3'-0" x 7'-0" steel painted interior door	4	12.00 Ea.	\$631.02	\$777.44	7.7500	7	7	\$5,442.05	\$5,442.05
Replace 3'-0" x 7'-0" steel painted interior door	60	12.00 Ea.	\$14,616.41	\$16,945.00	0.5167	0	0	\$0.00	\$0.00
Refinish metal stair railing, interior	7	26.00 S.F.	\$38.00	\$46.85	4.4286	4	4	\$187.41	\$187.41
Replace metal stair railing, interior	45	26.00 L.F.	\$1,116.85	\$1,307.28	0.6889	0	0	\$0.00	\$0.00
Refinish concrete floor finished	25	58.40 C.S.F.	\$24,634.71	\$29,590.13	1.2400	1	1	\$29,590.13	\$29,590.13
Replace vinyl tile flooring	18	25.00 S.Y.	\$1,235.09	\$1,516.75	1.7222	1	1	\$1,516.75	\$1,516.75
Acoustic tile repairs - (2% of ceilings)	9	2.20 C.S.F.	\$1,996.95	\$2,320.83	3.4444	3	3	\$6,962.48	\$6,962.48

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace acoustic tile ceiling, fire-rated	20	14.40 C.S.F.	\$7,548.89	\$8,897.56	1.5500	1	1	\$8,897.56	\$8,897.56
Replace flush valve diaphragm tankless water closet	10	8.00 Ea.	\$209.76	\$260.29	3.1000	3	3	\$780.86	\$780.86
Rebuild flush valve tankless water closet	20	8.00 Ea.	\$1,443.47	\$1,739.66	1.5500	1	1	\$1,739.66	\$1,739.66
Unplug clogged line tankless water closet	5	8.00 Ea.	\$1,747.16	\$2,185.01	6.2000	6	6	\$13,110.09	\$13,110.09
Replace tankless water closet	35	8.00 Ea.	\$10,289.77	\$11,907.96	0.8857	0	0	\$0.00	\$0.00
Replace tankless flush valve	25	8.00 Ea.	\$2,017.72	\$2,368.88	1.2400	1	1	\$2,368.88	\$2,368.88
Replace wax ring gasket for tankless water closet	5	8.00 Ea.	\$1,132.15	\$1,414.61	6.2000	6	6	\$8,487.67	\$8,487.67
Replace flush valve diaphragm for a urinal	7	4.00 Ea.	\$104.88	\$130.14	4.4286	4	4	\$520.57	\$520.57
Rebuild flush valve for a urinal	20	4.00 Ea.	\$721.74	\$869.83	1.5500	1	1	\$869.83	\$869.83
Unplug line urinal	5	4.00 Ea.	\$580.29	\$725.71	6.2000	6	6	\$4,354.27	\$4,354.27
Replace wall-hung urinal	35	4.00 Ea.	\$3,875.45	\$4,676.42	0.8857	0	0	\$0.00	\$0.00
Replace washer in spud connection lavatory, vitreous china	7	8.00 Ea.	\$131.70	\$160.64	4.4286	4	4	\$642.56	\$642.56
Replace washer in faucet lavatory, vitreous china	2	8.00 Ea.	\$103.08	\$128.41	15.5000	15	15	\$1,926.22	\$1,926.22
Replace faucets lavatory, vitreous china	10	8.00 Ea.	\$1,453.81	\$1,750.04	3.1000	3	3	\$5,250.13	\$5,250.13
Clean out strainer and P trap lavatory, vitreous china	2	8.00 Ea.	\$278.95	\$348.86	15.5000	15	15	\$5,232.95	\$5,232.95
Replace lavatory, vitreous china	35	8.00 Ea.	\$5,380.60	\$6,465.77	0.8857	0	0	\$0.00	\$0.00
Replace faucet washer sink, iron enamel	2	1.00 Ea.	\$12.78	\$15.92	15.5000	15	15	\$238.74	\$238.74
Clean trap sink, iron enamel	3	1.00 Ea.	\$8.57	\$10.72	10.3333	10	10	\$107.19	\$107.19
Replace faucets sink, iron enamel	10	1.00 Ea.	\$181.73	\$218.76	3.1000	3	3	\$656.27	\$656.27
Unstop sink, iron enamel	2	1.00 Ea.	\$41.82	\$52.30	15.5000	15	15	\$784.53	\$784.53
Replace sink, P.E.C.I. sink, iron enamel kitchen	10	1.00 Ea.	\$636.70	\$757.51	3.1000	3	3	\$2,272.53	\$2,272.53
Inspect / clean shower head fiberglass	3	4.00 Ea.	\$197.57	\$247.08	10.3333	10	10	\$2,470.84	\$2,470.84
Replace mixing valve barrel shower, fiberglass	2	4.00 Ea.	\$1,130.36	\$1,329.28	15.5000	15	15	\$19,939.16	\$19,939.16
Replace mixing valve shower, fiberglass	10	4.00 Ea.	\$1,103.53	\$1,342.22	3.1000	3	3	\$4,026.66	\$4,026.66
Replace shower and fittings, fiberglass	20	4.00 Ea.	\$3,866.55	\$4,624.64	1.5500	1	1	\$4,624.64	\$4,624.64
Check / minor repairs drinking fountain	1	2.00 Ea.	\$97.76	\$122.27	31.0000	31	31	\$3,790.22	\$3,790.22
Repair internal leaks drinking fountain	4	2.00 Ea.	\$90.16	\$112.76	7.7500	7	7	\$789.29	\$789.29
Correct water pressure drinking fountain	2	2.00 Ea.	\$83.64	\$104.60	15.5000	15	15	\$1,569.07	\$1,569.07
Replace refrigerant drinking fountain	2	2.00 Ea.	\$65.37	\$76.54	15.5000	15	15	\$1,148.08	\$1,148.08
Repair drain leak drinking fountain	4	2.00 Ea.	\$67.83	\$81.07	7.7500	7	6	\$567.48	\$486.42
Replace fountain drinking fountain	10	2.00 Ea.	\$2,562.31	\$3,029.12	3.1000	3	3	\$9,087.35	\$9,087.35
Inspect and clean shower head emergency shower station	3	1.00 Ea.	\$49.39	\$61.77	10.3333	10	10	\$617.71	\$617.71

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace shower emergency shower station	25	1.00 Ea.	\$941.97	\$1,129.12	1.2400	1	1	\$1,129.12	\$1,129.12
Inspect and clean spray heads, emergency eye wash	3	4.00 Ea.	\$197.57	\$247.08	10.3333	10	10	\$2,470.84	\$2,470.84
Replace eye wash station, emergency eye wash	25	4.00 Ea.	\$4,457.36	\$5,299.99	1.2400	1	1	\$5,299.99	\$5,299.99
Replace pipe and fittings, copper 3/4"	20	32.00 L.F.	\$833.73	\$1,004.24	1.5500	1	1	\$1,004.24	\$1,004.24
Replace pipe and fittings, copper 1"	25	120.00 L.F.	\$3,656.40	\$4,386.72	1.2400	1	1	\$4,386.72	\$4,386.72
Replace pipe and fittings, copper 2"	25	16.00 L.F.	\$983.75	\$1,170.32	1.2400	1	1	\$1,170.32	\$1,170.32
Minor repairs, adjustments water heater, gas / oil, 1150 GPH	2	1.00 Ea.	\$98.31	\$122.94	15.5000	15	14	\$1,844.17	\$1,721.22
Clean & service water heater, gas / oil, 1150 GPH	2	1.00 Ea.	\$586.59	\$733.59	15.5000	15	15	\$11,003.87	\$11,003.87
Replace water heater, gas / oil, 1150 GPH	20	1.00 Ea.	\$41,525.47	\$47,777.51	1.5500	1	1	\$47,777.51	\$47,777.51
Unclog main drain pipe & fittings, cast iron	10	1.00 Ea.	\$46.17	\$57.74	3.1000	3	3	\$173.21	\$173.21
Replace pipe & fittings, cast iron, 4"	40	200.00 L.F.	\$13,389.41	\$16,071.54	0.7750	0	0	\$0.00	\$0.00
Unclog floor drain, PVC	20	1.00 Ea.	\$47.80	\$59.77	1.5500	1	1	\$59.77	\$59.77
Repair joint pipe and fittings, PVC	10	2.00 Ea.	\$302.58	\$376.00	3.1000	3	3	\$1,128.00	\$1,128.00
Replace pipe, 4" pipe and fittings, PVC	30	300.00 L.F.	\$24,476.69	\$30,115.25	1.0333	1	1	\$30,115.25	\$30,115.25
General maintenance & repair drain: roof, scupper, area	1	2.00 Ea.	\$73.98	\$92.51	31.0000	31	31	\$2,867.93	\$2,867.93
Replace drain: roof, scupper, area	40	2.00 Ea.	\$1,573.86	\$1,824.72	0.7750	0	0	\$0.00	\$0.00
Insp/chk pump/mtr oper, lub, chk align, rainwater sump pump	1	1.00 Ea.	\$11.95	\$14.94	31.0000	31	31	\$463.25	\$463.25
Replace rainwater sump pump / motor assembly	20	1.00 Ea.	\$632.43	\$747.09	1.5500	1	1	\$747.09	\$747.09
Replace pipe and fittings, oxygen	25	100.00 L.F.	\$2,592.36	\$3,121.96	1.2400	1	1	\$3,121.96	\$3,121.96
General maintenance pipe & fittings, compressed air	2	1.00 M.L.F.	\$36.93	\$46.19	15.5000	15	15	\$692.84	\$692.84
Check and adjust 2 H.P. compressor	1	1.00 Ea.	\$84.66	\$105.88	31.0000	31	31	\$3,282.33	\$3,282.33
Replace 2 H.P. compressor	25	1.00 Ea.	\$4,236.17	\$4,919.82	1.2400	1	1	\$4,919.82	\$4,919.82
Repair boiler, gas, 250 MBH	7	2.00 Ea.	\$4,062.11	\$4,780.90	4.4286	4	4	\$19,123.60	\$19,123.60
Replace boiler, gas, 250 MBH	30	2.00 Ea.	\$18,796.09	\$22,420.25	1.0333	1	1	\$22,420.25	\$22,420.25
Replace metal flue, all fuel SS, 6" diameter metal flue / chimney	15	1.00 L.F.	\$129.05	\$149.45	2.0667	2	2	\$298.91	\$298.91
Replace fan coil, DX 10 ton, with heat	10	2.00 Ea.	\$10,281.35	\$12,084.20	3.1000	3	3	\$36,252.60	\$36,252.60
Replace roof mounted exhaust fan, 8500 CFM exhaust fan	20	3.00 Ea.	\$11,819.50	\$13,720.24	1.5500	1	1	\$13,720.24	\$13,720.24
Repair damaged pipe insulation, fiberglass 3/4"	5	4.00 Ea.	\$75.76	\$93.26	6.2000	6	6	\$559.58	\$559.58
Repair damaged pipe insulation, fiberglass 2"	5	2.00 Ea.	\$48.01	\$58.68	6.2000	6	6	\$352.06	\$352.06
Replace pipe insulation, fiberglass 3/4"	5	0.01 M.L.F.	\$75.57	\$92.78	6.2000	6	6	\$556.66	\$556.66
Replace pipe insulation, fiberglass 2"	5	0.01 M.L.F.	\$97.98	\$119.27	6.2000	6	6	\$715.61	\$715.61
Repair single zone rooftop unit, 25 ton	10	1.00 Ea.	\$47,397.42	\$54,623.55	3.1000	3	2	\$163,870.65	\$109,247.10

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost	
Replace single zone rooftop unit, 25 ton	15	1.00 Ea.	\$51,343.17	\$59,585.52	2.0667	2	2	\$119,171.04	\$119,171.04	
Rebuild 4" diameter reduced pressure backflow preventer	10	1.00 Ea.	\$664.67	\$779.78	3.1000	3	3	\$2,339.35	\$2,339.35	
Inspect sprinkler system	1	1.00 Ea.	\$34.33	\$42.93	31.0000	31	31	\$1,330.79	\$1,330.79	
Replace sprinkler head	20	27.00 Ea.	\$2,309.12	\$2,840.12	1.5500	1	1	\$2,840.12	\$2,840.12	
Replace fire pump / electric motor assembly 100 H.P.	25	1.00 Ea.	\$44,139.08	\$50,910.34	1.2400	1	1	\$50,910.34	\$50,910.34	
Maintenance and repair motor starter, up to 600 V	5	2.00 Ea.	\$559.28	\$675.20	6.2000	6	6	\$4,051.18	\$4,051.18	
Maintenance and inspection motor starter, up to 600 V	0.5	2.00 Ea.	\$107.96	\$135.26	62.0000	62	62	\$8,386.13	\$8,386.13	
Replace starter motor starter, up to 600 V	18	2.00 Ea.	\$1,610.62	\$1,916.15	1.7222	1	1	\$1,916.15	\$1,916.15	
Maintenance and inspection lighting panel, indoor	3	2.00 Ea.	\$81.29	\$101.84	10.3333	10	10	\$1,018.43	\$1,018.43	
Maintenance and repair safety switch, 3 pole safety switch, heavy duty	8	1.00 Ea.	\$40.64	\$50.92	3.8750	3	3	\$152.76	\$152.76	
Maintenance and inspection safety switch, 3 pole, heavy duty	1	1.00 Ea.	\$40.64	\$50.92	31.0000	31	31	\$1,578.57	\$1,578.57	
Replace safety switch, heavy duty 30 A	25	1.00 Ea.	\$576.35	\$690.44	1.2400	1	1	\$690.44	\$690.44	
Maintenance and repair receptacles and plugs	20	65.00 Ea.	\$2,745.82	\$3,428.01	1.5500	1	1	\$3,428.01	\$3,428.01	
Replace receptacle/plug receptacles and plugs	20	65.00 Ea.	\$4,677.11	\$5,765.28	1.5500	1	1	\$5,765.28	\$5,765.28	
Maintenance and repair wiring devices, switches	10	25.00 Ea.	\$1,056.09	\$1,318.47	3.1000	3	3	\$3,955.40	\$3,955.40	
Replace wiring devices, switches	15	25.00 Ea.	\$1,634.44	\$2,030.55	2.0667	2	2	\$4,061.09	\$4,061.09	
Replace incandescent lighting fixture lamp for explosion proof fixture	5	44.00 Ea.	\$854.99	\$1,043.97	6.2000	6	6	\$6,263.81	\$6,263.81	
Replace fluorescent light fixture ballast, 80 W	10	100.00 Ea.	\$12,466.84	\$15,123.72	3.1000	3	3	\$45,371.17	\$45,371.17	
Replace lamps (2 lamps), 4', 34 W energy saver	10	100.00 Ea.	\$2,521.40	\$3,157.89	3.1000	3	3	\$9,473.68	\$9,473.68	
Replace metal halide ballast, 175 W	10	20.00 Ea.	\$2,969.69	\$3,566.02	3.1000	3	3	\$10,698.06	\$10,698.06	
Replace metal halide fixture lamp, 175 W	5	20.00 Ea.	\$999.74	\$1,223.07	6.2000	6	6	\$7,338.44	\$7,338.44	
Check and repair manual pull station	10	3.00 Ea.	\$263.09	\$323.49	3.1000	3	2	\$970.47	\$646.98	
Replace manual pull station	15	3.00 Ea.	\$610.40	\$734.82	2.0667	2	2	\$1,469.65	\$1,469.65	
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.71	\$182.27	6.2000	6	6	\$1,093.65	\$1,093.65	
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$43.18	\$54.10	62.0000	62	62	\$3,354.45	\$3,354.45	
Replace fire alarm control panel	15	1.00 Ea.	\$1,953.46	\$2,391.92	2.0667	2	2	\$4,783.84	\$4,783.84	
Replace fire alarm bell, 6"	20	2.00 Ea.	\$389.92	\$470.55	1.5500	1	1	\$470.55	\$470.55	
Remove and replace hydraulic dock leveler lift cylinder	15	1.00 Ea.	\$8,493.80	\$9,670.61	2.0667	2	2	\$19,341.21	\$19,341.21	
Remove and replace 50 HP pump motor	25	1.00 Ea.	\$6,597.04	\$7,549.25	1.2400	1	1	\$7,549.25	\$7,549.25	
			\$687,033.32	\$813,520.89				MR Subtotal	\$1,061,579.61	
									MR Per Year	\$34,090.28
									PM Total	\$17,516.84

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
								Subtotal	\$51,607.12
								Total Per Unit	\$4.51

FAC 2123 MISSILE/LAUNCHER MAINTENANCE SUPPORT FACILITY

SUC \$4.51

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 31

Type PM

Average Size 11438.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Door, emergency egress, swinging, annualized	2.00	0.52	\$29.18	\$21.50	\$0.00	\$50.68	\$60.05	\$70.88
Door, overhead, manual, up to 24' high x 25' wide, annualized	4.00	8.78	\$47.51	\$363.36	\$0.00	\$410.87	\$524.63	\$640.77
Fire doors, swinging, annualized	14.00	5.49	\$200.50	\$203.81	\$0.00	\$404.30	\$485.49	\$576.71
Urinals, annualized	1.00	0.23	\$6.32	\$11.45	\$0.00	\$17.77	\$21.84	\$26.22
Toilet (vacuum breaker type), annualized	4.00	0.71	\$33.77	\$35.59	\$0.00	\$69.36	\$83.41	\$99.16
Lavatories, annualized	4.00	1.39	\$23.86	\$82.81	\$0.00	\$106.67	\$133.90	\$162.33
Showers, annualized	2.00	0.46	\$25.78	\$27.22	\$0.00	\$53.00	\$63.75	\$75.78
Drink fountain, annualized	1.00	0.62	\$20.73	\$31.28	\$0.00	\$52.00	\$63.46	\$75.95
Water heater, gas, to 120 gal., annualized	1.00	1.72	\$58.64	\$86.78	\$0.00	\$145.42	\$177.31	\$212.14
Pump, boiler fuel oil, annualized	1.00	1.23	\$97.06	\$74.00	\$0.00	\$171.06	\$202.97	\$239.73
VAV Boxes, annualized	4.00	3.74	\$38.42	\$225.54	\$0.00	\$263.95	\$335.46	\$408.88
Package unit, air cooled, 25 thru 50 ton, annualized	1.00	3.25	\$176.92	\$195.58	\$0.00	\$372.51	\$448.87	\$534.09
Controls, central system, electro/pneumatic, annualized	1.00	1.92	\$70.77	\$115.41	\$0.00	\$186.18	\$227.88	\$273.12
Air compressor, gas engine powered, annualized	1.00	16.57	\$170.86	\$991.12	\$0.00	\$1,161.98	\$1,476.41	\$1,799.37
Air compressor, reciprocating, less than 5 H.P., annualized	1.00	4.80	\$59.14	\$290.73	\$0.00	\$349.87	\$443.01	\$539.10
Extinguishing system, deluge / preaction, annualized	1.00	11.59	\$68.24	\$691.59	\$0.00	\$759.83	\$974.13	\$1,191.84
Fire pump, electric motor driven, annualized	1.00	47.75	\$53.08	\$2,841.22	\$0.00	\$2,894.30	\$3,751.98	\$4,612.31
Switchboard, with air circuit breaker, annualized	1.00	13.32	\$17.17	\$875.42	\$0.00	\$892.59	\$1,156.93	\$1,422.13
Circuit breaker, high voltage air, annualized	4.00	1.88	\$60.62	\$124.32	\$0.00	\$184.94	\$228.30	\$274.69
Transformer, dry type 500 KVA and over, annualized	2.00	1.54	\$30.31	\$101.53	\$0.00	\$131.84	\$165.33	\$200.33
Panelboard, 225 A and above, annualized	2.00	0.88	\$46.39	\$58.02	\$0.00	\$104.41	\$126.46	\$150.82
Motor control center, over 400 A, annualized	2.00	0.78	\$46.39	\$51.80	\$0.00	\$98.19	\$118.37	\$140.87
Fire alarm annunciator system, annualized	1.00	11.05	\$179.39	\$652.68	\$0.00	\$832.07	\$1,045.82	\$1,268.53
Security, intrusion alarm system, annualized	1.00	3.83	\$162.90	\$226.88	\$0.00	\$389.78	\$474.14	\$566.64
Light, emergency, hardwired system, annualized	1.00	0.25	\$7.73	\$14.76	\$0.00	\$22.50	\$27.70	\$33.29
Crane, electric bridge, 5 to 15 ton, annualized	2.00	15.33	\$848.04	\$538.20	\$0.00	\$1,386.24	\$1,632.50	\$1,921.17
						\$11,512.34	\$14,450.10	\$17,516.84

FAC 2123 MISSILE/LAUNCHER MAINTENANCE SUPPORT FACILITY

Modeled Component List CostWorks Release 2021 Qtr 3

B20 Exterior Enclosure	
Aluminum Siding, 1st floor	13.0 C.S.F.
Steel, Painted	2.0 Ea.
Steel Double, Roll-Up	4.0 Ea.
B30 Roofing	
Metal Steep Roofing	114.4 Sq.
C10 Interior Construction	
Concrete Block, Painted	72.2 C.S.F.
Fully Glazed Wooden Doors	2.0 Ea.
Steel Painted Interior Doors	12.0 Ea.
Fire Doors, Swinging, annualized	14.0 Each
C20 Stairs	
Metal Interior Stair Railing	26.0 L.F.
C30 Interior Finishes	
Concrete, Finished	58.4 C.S.F.
Vinyl	25.0 S.Y.
Acoustic Tile, fire-rated	14.4 C.S.F.
D20 Plumbing	
Tankless Water Closet	8.0 Ea.
Urinal	4.0 Ea.
Lavatory, Vitreous China	8.0 Ea.
Sink, Iron Enamel	1.0 Ea.
Shower, Fiberglass	4.0 Ea.
Drinking Fountain	2.0 Ea.
Emergency Shower Station	1.0 Ea.
Emergency Eye Wash	4.0 Ea.
Water Heater, Gas / Oil, 1150 GPH	1.0 Ea.
Drain: Roof, Scupper, Area	2.0 Ea.
Rainwater Sump Pump	1.0 Ea.
Compressed Air Systems, Compressors, 2 H.P.	1.0 Ea.
D30 HVAC	
Boiler, Gas, 250 MBH	2.0 Ea.
Metal Flue / Chimney, 6" diameter	1.0 L.F.
Fan Coil, DX Air Conditioner W/ Heat, 10 ton	2.0 Ea.
Exhaust Fan, roof mounted exhaust fan, 8500 CFM exhaust	3.0 Ea.
Single Zone Air Conditioner, 25 ton	1.0 Ea.
VAV Box	4.0 Each
D40 Fire Protection	
Backflow Preventer	1.0 Ea.
Sprinkler System, Fire Suppression, sprinkler head	27.0 Ea.
Fire Pump Electric Motor	1.0 Ea.
Fire Pump, Electric, annualized	1.0 Each
D50 Electrical	
Motor Starter, Up To 600 V	2.0 Ea.
Load Center, 100 A, maintenance & inspection	2.0 Ea.
Safety Switch, Heavy Duty	1.0 Ea.
Explosion-Proof Fixture	44.0 Ea.
Manual Pull Station	3.0 Ea.
Fire Alarm Control Panel	1.0 Ea.
Fire Alarm Bell	2.0 Ea.
E10 Equipment	
Crane, Electric, 5 to 15 ton, annualized	2.0 Each

FAC 2123 MISSILE/LAUNCHER MAINTENANCE SUPPORT FACILITY
Sustainment by Year
CostWorks Release 2021 Qtr 3

