

FAC 1411 Airfield Fire And Rescue Station

FY25 SUC: \$4.88 / SF
Source: Calculated using R.S. Means CostWorks 2024 Qtr 3 component prices

FAC 1411 Airfield Fire And Rescue Station

Release: 2024 Qtr 3
Zip Code Prefix: 222
Type: MR

FY25 SUC: \$4.88
UM: SF
Expected Service Life: 45
Model Size: 9732

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	Service Life/Frequency	Occurrences	Adjusted Occurrences	Life Cost	Adjusted Cost
Repair clay brick wall, 1st floor	25	550.00 S.F.	\$26,196.88	\$32,140.65	18,000	1	1	\$32,140.65	\$32,140.65
Replace glass - 1st floor, (1% of glass) - alum. window	1	1.44 S.F.	\$19.66	\$23.08	45,000	45	45	\$1,038.69	\$1,038.69
Repair 3' x 4' aluminum window - 1st floor	20	12.00 Ea.	\$3,218.89	\$4,259.89	1,250	2	2	\$8,501.78	\$8,501.78
Replace glass - 2nd floor, (1% of glass) - alum. window	1	2.76 S.F.	\$51.79	\$61.80	45,000	45	45	\$2,780.78	\$2,780.78
Repair 3' x 4' aluminum window - 2nd floor	20	14.00 Ea.	\$4,935.59	\$5,849.82	2,250	2	2	\$11,699.65	\$11,699.65
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	3.48 S.F.	\$47.51	\$55.78	45,000	45	45	\$2,510.17	\$2,510.17
Repair aluminum storefront door	12	2.00 Ea.	\$1,099.17	\$1,310.67	3,750	3	3	\$3,932.01	\$3,932.01
Replace insulating glass - (3% of glass) aluminum storefront door	1	2.00 S.F.	\$135.21	\$157.45	45,000	45	45	\$7,085.31	\$7,085.31
Repair steel, painted, door	14	4.00 Ea.	\$3,110.24	\$3,683.07	11,250	3	3	\$11,049.22	\$11,049.22
Refinish 3'-0" x 7'-0" steel, painted, door	4	4.00 Ea.	\$191.97	\$235.01	11,250	11	11	\$2,585.11	\$2,585.11
Replace 3'-0" x 7'-0" steel, painted, door	45	4.00 Ea.	\$2,943.44	\$3,426.28	1,000	1	1	\$3,426.28	\$3,426.28
Replace tempered glass - (3% of glass) steel painted door	1	2.52 S.F.	\$83.03	\$98.01	45,000	45	45	\$4,410.56	\$4,410.56
Repair 12' x 24' aluminum double roll-up door	10	8.00 Ea.	\$7,680.25	\$20,561.64	4,500	4	4	\$82,246.58	\$82,246.58
Replace 12' x 24' aluminum double roll-up door	35	8.00 Ea.	\$17,721.02	\$82,246.58	1,287	1	1	\$82,246.58	\$82,246.58
Debris removal by hand & visual inspection, modified bitum/thermoplastic	1	6.20 M.S.F.	\$252.11	\$307.89	45,000	45	45	\$13,855.03	\$13,855.03
Minor thermoplastic membrane repairs, 2% of roof area	1	1.24 Sq.	\$430.66	\$513.18	45,000	45	45	\$23,093.31	\$23,093.31
Flashing repairs, 2 S.F. per sq. repaired, modified bitumen/thermoplastic	1	124.00 S.F.	\$513.68	\$615.75	45,000	45	45	\$27,708.59	\$27,708.59
Membrane replacement-(25% of roof area), modified bitum/thermoplastic	20	15.50 Sq.	\$14,034.77	\$16,721.16	2,250	2	2	\$33,442.32	\$33,442.32
Total roof replacement, modified bitumenous / thermoplastic	25	62.00 Sq.	\$46,099.63	\$54,570.72	1,800	1	1	\$54,570.72	\$54,570.72
Repair steel painted interior door	14	4.00 Ea.	\$1,187.40	\$1,385.29	3,214	3	3	\$4,155.86	\$4,155.86
Refinish 3'-0" x 7'-0" steel painted interior door	4	1.00 Ea.	\$160.20	\$174.02	11,250	11	11	\$814.27	\$814.27
Safety glass replacement, (3% of glass) steel painted interior door	1	0.63 S.F.	\$16.18	\$19.08	45,000	45	45	\$858.75	\$858.75
Repair hollow core wood door, interior	7	8.00 Ea.	\$2,374.80	\$2,770.57	6,428	6	6	\$16,623.45	\$16,623.45
Replace 3'-0" x 7'-0" hollow core wood door, interior	30	8.00 Ea.	\$2,749.75	\$3,237.91	1,500	1	1	\$3,237.91	\$3,237.91
Repair solid core wood door, interior	11	5.00 Ea.	\$1,484.25	\$1,731.61	4,099	4	4	\$6,926.44	\$6,926.44
Replace 3'-0" x 7'-0" solid core wood door, interior	45	5.00 Ea.	\$3,218.89	\$3,711.59	1,800	1	1	\$3,711.59	\$3,711.59
Repair concrete steps	15	83.00 S.F.	\$3,560.06	\$2,953.19	3,000	3	3	\$8,889.57	\$8,889.57
Replace metal stair railing, interior	45	53.00 L.F.	\$2,537.58	\$2,970.93	1,000	1	1	\$2,970.93	\$2,970.93
Repair fabric wall finish fabric interior	9	107.00 S.Y.	\$4,119.31	\$4,910.32	5,000	5	5	\$24,551.62	\$24,551.62
Repair 5/8" drywall - (2% of walls)	20	513.68 S.F.	\$959.56	\$1,167.15	2,250	2	2	\$2,334.31	\$2,334.31
Refinish drywall	4	82.00 S.F.	\$59.21	\$72.60	11,250	11	11	\$798.63	\$798.63
Refinish concrete floor finished	25	48.00 C.S.F.	\$22,008.60	\$26,441.95	1,800	1	1	\$26,441.95	\$26,441.95
Replace vinyl tile flooring	18	112.00 S.F.	\$6,334.53	\$7,753.66	2,500	2	2	\$15,507.31	\$15,507.31
Ceramic tile floor repairs - (2% of floors)	15	5.20 C.S.F.	\$3,622.47	\$4,516.40	3,000	3	3	\$13,549.19	\$13,549.19
Terrazzo floor repairs - (2% of floors)	15	8.84 S.F.	\$165.12	\$197.19	3,000	3	3	\$591.58	\$591.58
Replace carpet	8	56.00 S.Y.	\$3,119.12	\$3,607.01	5,625	5	5	\$18,035.03	\$18,035.03
Repair gypsum board ceiling - (2% of ceilings)	20	0.71 C.S.F.	\$291.37	\$357.26	2,250	2	2	\$714.53	\$714.53
Refinish gypsum board ceiling up to 12' high	40	8.00 C.S.F.	\$1,308.38	\$1,490.58	2,250	2	1	\$3,720.15	\$1,608.58
Replace gypsum board ceiling, up to 12' high	40	8.00 C.S.F.	\$3,602.27	\$4,418.49	1,125	1	1	\$4,418.49	\$4,418.49
Replace acoustic tile ceiling, fire-rated	20	12.20 C.S.F.	\$7,621.25	\$8,962.56	2,250	2	2	\$17,925.11	\$17,925.11
Replace flush valve diaphragm tankless water closet	10	5.00 Ea.	\$137.95	\$171.38	4,500	4	4	\$685.52	\$685.52
Rebuild flush valve tankless water closet	20	5.00 Ea.	\$966.36	\$1,164.77	2,250	2	2	\$2,329.54	\$2,329.54
Replace tankless water closet	35	5.00 Ea.	\$6,883.28	\$7,965.98	1,287	1	1	\$7,965.98	\$7,965.98
Replace tankless flush valve	25	5.00 Ea.	\$1,363.28	\$1,600.14	1,800	1	1	\$1,600.14	\$1,600.14
Replace wax ring gasket for tankless water closet	5	5.00 Ea.	\$748.77	\$936.91	9,000	9	9	\$8,432.19	\$8,432.19
Replace flush valve diaphragm for a urinal	7	4.00 Ea.	\$110.36	\$137.10	6,428	6	6	\$822.63	\$822.63
Rebuild flush valve for a urinal	20	4.00 Ea.	\$773.08	\$931.82	2,250	2	2	\$1,863.63	\$1,863.63
Unplug line urinal	5	4.00 Ea.	\$611.61	\$766.01	9,000	9	9	\$6,894.11	\$6,894.11
Replace wall-hung urinal	35	4.00 Ea.	\$4,389.16	\$5,257.55	1,287	1	1	\$5,257.55	\$5,257.55
Replace washer in spud connection lavatory, vitreous china	7	6.00 Ea.	\$104.36	\$127.40	6,428	6	6	\$764.41	\$764.41
Replace washer in faucet lavatory, vitreous china	2	6.00 Ea.	\$81.59	\$101.78	22,500	22	22	\$2,239.10	\$2,239.10
Replace faucets lavatory, vitreous china	10	6.00 Ea.	\$1,191.74	\$1,432.70	4,500	4	4	\$5,730.80	\$5,730.80
Clean out strainer and P trap lavatory, vitreous china	2	6.00 Ea.	\$222.53	\$278.71	22,500	22	22	\$6,131.53	\$6,131.53
Replace lavatory, vitreous china	35	6.00 Ea.	\$4,508.25	\$5,405.31	1,287	1	1	\$5,405.31	\$5,405.31
Replace faucet washer sink, iron enamel	2	2.00 Ea.	\$27.01	\$33.26	22,500	22	22	\$641.21	\$641.21
Clean trap sink, iron enamel	3	2.00 Ea.	\$18.04	\$22.59	15,000	15	15	\$338.82	\$338.82
Replace faucets sink, iron enamel	10	2.00 Ea.	\$397.25	\$477.57	4,500	4	4	\$1,910.27	\$1,910.27
Unstop sink, iron enamel	2	2.00 Ea.	\$88.31	\$110.60	22,500	22	22	\$2,433.15	\$2,433.15
Replace sink, P.E.C.I. sink, iron enamel kitchen	10	2.00 Ea.	\$1,820.34	\$2,141.40	4,500	4	4	\$8,565.61	\$8,565.61
Inspect / clean shower head fiberglass	3	4.00 Ea.	\$208.23	\$260.80	15,000	15	15	\$3,912.03	\$3,912.03
Replace mixing valve shower, fiberglass	4	4.00 Ea.	\$1,175.30	\$1,430.28	4,500	4	4	\$5,720.35	\$5,720.35
Replace shower and fittings, fiberglass	20	4.00 Ea.	\$4,754.07	\$5,649.81	2,250	2	2	\$11,299.61	\$11,299.61
Check / minor repairs drinking fountain	1	1.00 Ea.	\$51.94	\$65.06	45,000	45	45	\$2,927.58	\$2,927.58
Repair internal leaks drinking fountain	4	1.00 Ea.	\$47.79	\$59.85	11,250	11	11	\$658.38	\$658.38
Replace refrigerant drinking fountain	2	1.00 Ea.	\$36.77	\$43.00	22,500	22	22	\$945.94	\$945.94
Replace fountain drinking fountain	10	1.00 Ea.	\$1,523.39	\$1,794.44	4,500	4	4	\$7,177.76	\$7,177.76
Resolder joint pipe & fittings, copper	20	16.00 L.F.	\$1,011.81	\$1,225.59	1,800	1	1	\$502.29	\$502.29
Replace pipe and fittings, copper 3/4"	20	16.00 L.F.	\$385.58	\$468.64	2,250	2	2	\$937.28	\$937.28
Replace pipe and fittings, copper 2"	25	16.00 L.F.	\$904.99	\$1,084.54	1,800	1	1	\$1,084.54	\$1,084.54
Remove old insulation & replace with new, pipe 3/4", wall 1"	15	16.00 L.F.	\$165.02	\$201.61	3,000	3	3	\$604.82	\$604.82
Overhaul water heater, gas / oil, 70 gallon	5	1.00 Ea.	\$173.21	\$216.94	9,000	9	9	\$1,952.46	\$1,952.46
Clean & service water heater, gas / oil, 70 gallon	1	1.00 Ea.	\$206.74	\$258.43	45,000	45	45	\$3,651.78	\$3,651.78
Replace water heater, gas / oil, 70 gallon	12	1.00 Ea.	\$5,470.45	\$6,302.52	2,250	2	2	\$18,907.56	\$18,907.56
Inspect / check pump / motor operation, lubricate circulation pump, 1/12 HP	0.5	1.00 Ea.	\$8.47	\$10.60	90,000	90	90	\$954.39	\$954.39
Replace pump / motor assembly circulation pump, 1/12 HP	10	1.00 Ea.	\$1,265.32	\$1,479.95	4,500	4	4	\$5,919.80	\$5,919.80
Unplug main drain pipe & fittings, cast iron	10	1.00 Ea.	\$48.83	\$59.85	4,500	4	4	\$244.62	\$244.62
Replace pipe & fittings, cast iron, 4"	40	16.00 L.F.	\$975.43	\$1,182.15	1,125	1	1	\$1,182.15	\$1,182.15
Unplug floor drain, PVC	2	1.00 Ea.	\$50.39	\$62.99	2,250	2	2	\$126.21	\$126.21
Repair joint pipe and fittings, PVC	10	1.00 Ea.	\$157.21	\$195.91	4,500	4	4	\$783.64	\$783.64
Replace pipe, 4" pipe and fittings, PVC	30	16.00 L.F.	\$1,499.18	\$1,834.72	1,500	1	1	\$1,834.72	\$1,834.72
General maintenance & repair drain: roof, scupper, area	1	6.00 Ea.	\$235.31	\$294.71	45,000	45	45	\$13,261.95	\$13,261.95
Replace drain: roof, scupper, area	40	6.00 Ea.	\$6,578.14	\$7,912.29	1,125	1	1	\$7,912.29	\$7,912.29
Install new 4" gasket, 1 per M.L.F. natural gas, steel/iron	30	1.00 Ea.	\$221.12	\$274.79	1,500	1	1	\$274.79	\$274.79
Repair fan coil unit, 1 ton	10	2.00 Ea.	\$910.96	\$1,090.77	4,500	4	3	\$4,363.09	\$3,272.32
Replace fan coil unit, 1 ton	15	2.00 Ea.	\$2,712.98	\$3,168.31	3,000	3	3	\$9,504.94	\$9,504.94
Replace fan & motor, propeller exhaust, 4700 CFM exhaust fan	15	1.00 Ea.	\$2,262.92	\$2,633.25	3,000	3	3	\$7,899.76	\$7,899.76
Repair single zone rooftop unit, 25 ton	10	1.00 Ea.	\$55,072.84	\$63,403.92	4,500	4	3	\$253,615.68	\$190,211.76
Replace single zone rooftop unit, 25 ton	15	1.00 Ea.	\$51,995.90	\$60,418.81	3,000	3	3	\$181,256.43	\$181,256.43
Inspect sprinkler system	1	1.00 Ea.	\$36.26	\$45.41	45,000	45	45	\$2,043.45	\$2,043.45
Replace sprinkler head	20	53.00 Ea.	\$4,859.60	\$5,989.85	2,250	2	2	\$11,977.71	\$11,977.71
Rebuild double check 3" backflow preventer sprinkler system	1	1.00 Ea.	\$753.40	\$903.05	45,000	45	45	\$40,637.38	\$40,637.38
Replace fire pump / electric motor assembly 100 H.P.	25	1.00 Ea.	\$46,050.08	\$53,152.38	1,800	1	1	\$53,152.38	\$53,152.38
Maintenance and inspection lighting panel, indoor	3	3.00 Ea.	\$131.45	\$164.90	15,000	15	15	\$2,473.53	\$2,473.53
Repair failed breaker, molded case, 600 V, 3 pole	10	6.00 Ea.	\$2,426.65	\$2,887.83	4,500	4	4	\$11,551.31	\$11,551.31
Maintenance and inspection circuit breaker, molded case, 600 V, 3 pole	0.33	6.00 Ea.	\$208.13	\$258.19	136,363	136	136	\$35,508.84	\$35,508.84
Maintenance and repair receptacles and plugs	20	97.00 Ea.	\$4,438.64	\$5,540.01	2,250	2	2	\$11,092.01	\$11,092.01
Replace receptacle/plug receptacles and plugs	20	97.00 Ea.	\$7,832.09	\$9,634.14	2,250	2	2	\$19,268.29	\$19,268.29
Maintenance and repair wiring devices, switches	10	37.00 Ea.	\$1,693.09	\$2,115.49	4,500	4	4	\$8,461.95	\$8,461.95
Replace wiring devices, switches	15	37.00 Ea.	\$2,572.78	\$3,203.61	3,000	3	3	\$9,610.83	\$9,610.83
Replace fluorescent light fixture ballast, 80 W	10	27.00 Ea.	\$2,941.16	\$3,628.84	4,500	4	4	\$14,507.35	\$14,507.35
Replace lamps (2 lamps), 4', 34 W energy saver	10	57.00 Ea.	\$1,547.64	\$1,940.63	4,500	4	4	\$7,762.53	\$7,762.53
Inspect intercom master station	0.5	1.00 Ea.	\$185.00	\$232.08	90,000	90	90	\$20,887.55	\$20,887.55
Replace intercom master station	15	1.00 Ea.	\$3,301.15	\$3,849.50	3,000	3	3	\$11,548.49	\$11,548.49
Repair smoke detector	10	15.00 Ea.	\$911.48	\$1,128.08	4,500	4	3	\$4,512.31	\$3,384.23
Check operation smoke detector	1	15.00 Ea.	\$261.98	\$328.66	45,000	45	45	\$14,789.63	\$14,789.63
Replace smoke detector	15	15.00 Ea.	\$5,061.32	\$6,022.61	3,000	3	3	\$18,067.63	\$18,067.63
Check and repair manual pull station	10	5.00 Ea.	\$474.94	\$584.53	4,500	4	3	\$3,753.60	\$1,753.60
Replace manual pull station	15	5.00 Ea.	\$1,150.38	\$1,382.52	3,000	3	3	\$4,147.56	\$4,147.56

FAC 1411 Airfield Fire And Rescue Station

Release: 2024 Qtr 3

Zip Code Prefix: 222

Type: PM

FY25 SUC: \$4.88

UM: SF

Expected Service Life: 45

Model Size: 9732

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Door, emergency egress, swinging, annualized	2	0.52	\$31.64	\$23.47	\$0.0000	55.11	65.32	77.10
Door, overhead, electric, roll up, to 24' high x 25' wide, annualized	8	32.56	\$660.96	\$1,472.12	\$0.0000	2,133.08	2,640.81	3,181.59
Shutter, roll up, electric, annually	2	4.10	\$30.46	\$184.76	\$0.0000	215.22	273.69	333.69
Urinals, annualized	4	0.91	\$27.36	\$49.07	\$0.0000	76.42	93.88	112.70
Toilet (vacuum breaker type), annualized	5	0.89	\$45.92	\$47.80	\$0.0000	93.72	112.65	133.88
Lavatories, annualized	6	2.09	\$46.31	\$131.98	\$0.0000	178.29	222.51	269.05
Showers, annualized	4	0.91	\$56.08	\$57.70	\$0.0000	113.78	136.69	162.42
Drink fountain, annualized	1	0.62	\$36.15	\$33.42	\$0.0000	69.57	83.21	98.65
Water heater, gas, to 120 gal., annualized	2	3.44	\$176.84	\$184.43	\$0.0000	361.26	434.28	516.13
Fan coil unit, annualized	2	6.68	\$171.95	\$358.70	\$0.0000	530.66	655.46	788.87
VAV Boxes, annualized	4	3.74	\$38.10	\$238.57	\$0.0000	276.68	352.06	429.34
Fan, axial, up to 5,000 CFM, annualized	1	1.24	\$13.78	\$66.83	\$0.0000	80.61	102.04	124.15
Package unit, air cooled, 3 thru 24 ton, annualized	1	2.40	\$165.11	\$153.97	\$0.0000	319.09	381.79	452.75
Backflow prevention device, up to 4", annualized	1	0.33	\$14.56	\$21.15	\$0.0000	35.71	43.51	52.04
Extinguishing system, wet pipe, annualized	1	11.34	\$54.71	\$714.67	\$0.0000	769.58	989.51	1,212.18
Circuit breaker, high voltage air, annualized	4	1.88	\$66.07	\$133.46	\$0.0000	199.53	246.18	296.13
Panelboard, 225 A and above, annualized	2	0.88	\$51.90	\$62.75	\$0.0000	114.64	138.66	165.27
Security, intrusion alarm system, annualized	1	3.83	\$178.64	\$242.03	\$0.0000	420.67	511.14	610.55
Emergency diesel or gas generator, up to 15 KVA, annualized	1	13.16	\$109.78	\$831.66	\$0.0000	941.44	1,201.92	1,467.88
Uninterrupted power system, up to 200 KVA, annually	1	3.01	\$201.60	\$191.23	\$0.0000	392.83	470.36	567.97
Light, emergency, hardwired system, annually	4	0.50	\$27.74	\$31.67	\$0.0000	59.42	71.69	85.36
Crane, electric bridge, up to 5 ton, annually	1	2.92	\$247.45	\$113.21	\$0.0000	360.66	419.37	490.45
Storage tank, ground level, annualized	1	0.72	\$19.73	\$39.28	\$0.0000	59.01	72.77	87.51
Water flow meter, turbine, annualized	2	1.18	\$39.73	\$64.05	\$0.0000	103.78	126.97	152.14
Pump, mixed or axial flow, annually	2	1.22	\$78.09	\$66.61	\$0.0000	144.70	172.49	204.19
Fuel oil storage tank, above ground, annualized	2	6.55	\$48.22	\$355.26	\$0.0000	403.49	514.89	628.70
						\$8,508.95	\$10,533.85	\$12,690.69