

**FAC 1445 WORKING ANIMAL SUPPORT BUILDING**

FY22 SUC:	\$4.00 / SF
Source:	Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

**FAC 1445 WORKING ANIMAL SUPPORT BUILDING**

SUC \$4.00

Release 2021 Qtr 3  
 Zip Code Prefix 222  
 Type MR

UM SF  
 Design Life 40  
 Average Size 3174.0

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
Waterproof concrete block wall, 1st floor	10	21.00 C.S.F.	\$4,767.05	\$5,670.18	4.0000	4	4	\$22,680.70	\$22,680.70
Point and refinish painted concrete block wall, 1st floor	25	21.00 C.S.F.	\$9,865.32	\$12,175.91	1.6000	1	1	\$12,175.91	\$12,175.91
Replace glass - 1st floor (1% of glass) - steel frame window	1	0.90 S.F.	\$10.85	\$12.75	40.0000	40	40	\$510.18	\$510.18
Repair 3'-9" x 5'-5" steel frame window - 1st floor.	20	6.00 Ea.	\$1,789.82	\$2,102.51	2.0000	2	2	\$4,205.02	\$4,205.02
Repair aluminum storefront door	12	2.00 Ea.	\$926.84	\$1,109.03	3.3333	3	3	\$3,327.09	\$3,327.09
Total EPDM roof replacement	25	14.00 Sq.	\$8,462.37	\$10,037.92	1.6000	1	1	\$10,037.92	\$10,037.92
Replace aluminum downspout, 2" x 3", .024" thick	25	60.00 L.F.	\$421.40	\$508.70	1.6000	1	1	\$508.70	\$508.70
Replace skylight and structure, double glazed, 10 to 20 S.F.	40	60.00 S.F.	\$2,755.36	\$3,184.84	1.0000	1	1	\$3,184.84	\$3,184.84
Refinish concrete block wall painted	4	30.00 C.S.F.	\$3,027.56	\$3,686.65	10.0000	10	10	\$36,866.46	\$36,866.46
Repair solid core wood door, interior	11	4.00 Ea.	\$1,173.81	\$1,366.26	3.6364	3	3	\$4,098.77	\$4,098.77
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	4.00 Ea.	\$173.46	\$213.00	10.0000	10	10	\$2,129.99	\$2,129.99
Prepare and refinish interior metal gate	5	10.00 Ea.	\$195.47	\$241.37	8.0000	8	8	\$1,930.93	\$1,930.93
Replace metal lockers, single tier	20	10.00 Ea.	\$3,396.55	\$3,929.37	2.0000	2	2	\$7,858.74	\$7,858.74
Refinish concrete floor finished	25	6.00 C.S.F.	\$2,530.96	\$3,040.08	1.6000	1	1	\$3,040.08	\$3,040.08
Replace epoxy flooring	15	7.00 C.S.F.	\$7,864.83	\$9,411.25	2.6667	2	2	\$18,822.51	\$18,822.51
Unplug clogged line flush-tank water closet	5	1.00 Ea.	\$218.40	\$273.13	8.0000	8	8	\$2,185.01	\$2,185.01
Replace valve and ball cock assembly flush-tank water closet	15	1.00 Ea.	\$93.62	\$115.57	2.6667	2	2	\$231.14	\$231.14
Replace washer in spud connection lavatory, vitreous china	7	1.00 Ea.	\$16.46	\$20.08	5.7143	5	5	\$100.40	\$100.40
Replace faucet washer sink, stainless steel	2	4.00 Ea.	\$51.11	\$63.66	20.0000	20	20	\$1,273.28	\$1,273.28
Clean trap sink, stainless steel	3	4.00 Ea.	\$34.28	\$42.87	13.3333	13	13	\$557.37	\$557.37
Replace faucets sink, stainless steel	10	4.00 Ea.	\$726.90	\$875.02	4.0000	4	4	\$3,500.09	\$3,500.09
Unstop sink, stainless steel	2	4.00 Ea.	\$167.29	\$209.21	20.0000	20	20	\$4,184.19	\$4,184.19
Replace faucet washer sink, laboratory	2	1.00 Ea.	\$12.78	\$15.92	20.0000	20	20	\$318.32	\$318.32
Replace sink and fittings, polyethylene lab.	15	1.00 Ea.	\$2,250.39	\$2,623.78	2.6667	2	2	\$5,247.56	\$5,247.56
Inspect and clean spray heads, emergency eye wash	3	1.00 Ea.	\$49.39	\$61.77	13.3333	13	13	\$803.02	\$803.02
Replace eye wash station, emergency eye wash	25	1.00 Ea.	\$1,114.34	\$1,325.00	1.6000	1	1	\$1,325.00	\$1,325.00
Overhaul water heater, gas / oil, 70 gallon	5	1.00 Ea.	\$163.70	\$204.73	8.0000	8	8	\$1,637.81	\$1,637.81
Clean & service water heater, gas / oil, 70 gallon	1	1.00 Ea.	\$196.62	\$245.89	40.0000	40	40	\$9,835.55	\$9,835.55
Replace water heater, gas / oil, 70 gallon	12	1.00 Ea.	\$3,315.17	\$3,847.40	3.3333	3	3	\$11,542.21	\$11,542.21

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace old valve with new hose bibb	10	10.00 Ea.	\$623.05	\$762.80	4.0000	4	4	\$3,051.21	\$3,051.21
Clean floor drain w/o bucket	4	8.00 Ea.	\$938.54	\$1,173.75	10.0000	10	10	\$11,737.46	\$11,737.46
Clean out bucket floor drain with bucket	5	5.00 Ea.	\$1,471.90	\$1,840.77	8.0000	8	8	\$14,726.16	\$14,726.16
Replace floor drain with bucket	40	5.00 Ea.	\$10,803.57	\$12,399.33	1.0000	1	1	\$12,399.33	\$12,399.33
General maintenance & repair distribution: gutters, pipe	1	0.80 M.L.F.	\$241.63	\$302.19	40.0000	40	40	\$12,087.41	\$12,087.41
Repair fan coil unit, 10 ton	10	2.00 Ea.	\$1,638.94	\$1,922.62	4.0000	4	3	\$7,690.49	\$5,767.87
Replace fan coil unit, 10 ton	15	1.00 Ea.	\$5,585.64	\$6,547.13	2.6667	2	2	\$13,094.25	\$13,094.25
Replace fan & motor, propeller exhaust, 1000 CFM exhaust fan	15	2.00 Ea.	\$1,708.75	\$2,014.11	2.6667	2	2	\$4,028.22	\$4,028.22
Repair single zone rooftop unit, 7.5 ton	10	1.00 Ea.	\$3,425.72	\$4,067.04	4.0000	4	4	\$16,268.15	\$16,268.15
Replace single zone rooftop unit, 7.5 ton	15	1.00 Ea.	\$11,094.64	\$13,134.98	2.6667	2	2	\$26,269.95	\$26,269.95
Repair furnace, gas, 100 MBH residential	10	1.00 Ea.	\$4,432.73	\$5,141.36	4.0000	4	4	\$20,565.44	\$20,565.44
Replace furnace, gas, 100 MBH residential	15	1.00 Ea.	\$1,567.47	\$1,852.17	2.6667	2	2	\$3,704.33	\$3,704.33
Rebuild 4" diameter reduced pressure backflow preventer	10	1.00 Ea.	\$664.67	\$779.78	4.0000	4	4	\$3,119.13	\$3,119.13
Inspect sprinkler system	1	1.00 Ea.	\$34.33	\$42.93	40.0000	40	40	\$1,717.15	\$1,717.15
Maintenance and repair motor starter, up to 600 V	5	1.00 Ea.	\$279.64	\$337.60	8.0000	8	8	\$2,700.78	\$2,700.78
Replace starter motor starter, up to 600 V	18	1.00 Ea.	\$805.31	\$958.07	2.2222	2	2	\$1,916.15	\$1,916.15
Maintenance and inspection lighting panel, indoor	3	1.00 Ea.	\$40.64	\$50.92	13.3333	13	13	\$661.98	\$661.98
Replace wireway, 8" x 8"	20	68.00 L.F.	\$4,723.86	\$5,720.66	2.0000	2	2	\$11,441.33	\$11,441.33
Maintenance and repair breaker, molded case, 480 V, 1 pole	20	10.00 Ea.	\$717.63	\$899.08	2.0000	2	2	\$1,798.16	\$1,798.16
Maintenance and repair breaker, enclosed, 240 V, 1 pole	25	6.00 Ea.	\$430.58	\$539.45	1.6000	1	1	\$539.45	\$539.45
Maintenance and repair safety switch general, 2 pole	8	1.00 Ea.	\$40.64	\$50.92	5.0000	5	5	\$254.61	\$254.61
Maintenance and repair receptacles and plugs	20	42.00 Ea.	\$1,774.22	\$2,215.02	2.0000	2	2	\$4,430.04	\$4,430.04
Maintenance and repair incandescent lighting fixtures	10	54.00 Ea.	\$3,718.75	\$4,427.19	4.0000	4	4	\$17,708.77	\$17,708.77
Replace incandescent lighting fixture lamp	5	12.00 Ea.	\$137.79	\$166.41	8.0000	8	8	\$1,331.30	\$1,331.30
Replace lamps (2 lamps), 4', 34 W energy saver	10	41.00 Ea.	\$1,033.77	\$1,294.74	4.0000	4	4	\$5,178.95	\$5,178.95
Check operation smoke detector	1	4.00 Ea.	\$64.78	\$81.16	40.0000	40	40	\$3,246.24	\$3,246.24
Replace smoke detector	15	4.00 Ea.	\$1,136.95	\$1,357.85	2.6667	2	2	\$2,715.70	\$2,715.70
Maintenance and repair of general wiring lightning protection system	1	1.00 M.L.F.	\$96.72	\$119.83	40.0000	40	40	\$4,793.06	\$4,793.06
Maintenance and repair exit light	20	2.00 Ea.	\$74.40	\$92.01	2.0000	2	2	\$184.01	\$184.01
Minor chain link fence repairs, per 10 LF	1	12.00 Ea.	\$323.70	\$398.20	40.0000	40	40	\$15,927.92	\$15,927.92
Replace bent 1-5/8" top rail, per 20 LF	2	8.00 Ea.	\$872.51	\$1,031.95	20.0000	20	20	\$20,638.91	\$20,638.91
Replace double swing gates, 6' high, 20' opening	5	2.00 Opng.	\$2,366.31	\$2,742.76	8.0000	8	8	\$21,942.08	\$21,942.08
			\$118,641.88	\$141,078.60				MR Subtotal	\$440,064.27

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
								MR Per Year	\$11,001.61
								PM Total	\$1,684.34
								Subtotal	\$12,685.95
								Total Per Unit	\$4.00

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SUC \$4.00

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 40

Type PM

Average Size 3174.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Toilet (tank type), annualized	1.00	0.39	\$7.63	\$19.38	\$0.00	\$27.02	\$33.59	\$40.55
Lavatories, annualized	2.00	0.70	\$11.93	\$41.41	\$0.00	\$53.34	\$66.95	\$81.16
Fan coil unit, annualized	1.00	3.34	\$113.23	\$168.27	\$0.00	\$281.50	\$343.31	\$410.77
Forced air heater, oil or gas fired, up to 120 MBH, annualized	1.00	5.63	\$51.06	\$339.19	\$0.00	\$390.24	\$497.10	\$606.52
Package unit, air cooled, 3 thru 24 ton, annualized	1.00	2.40	\$176.92	\$144.48	\$0.00	\$321.41	\$382.45	\$452.33
Fluid cooler, annualized	1.00	1.09	\$10.89	\$37.38	\$0.00	\$48.26	\$60.56	\$73.41
Refrigerator, domestic, annualized	1.00	0.23	\$5.45	\$7.98	\$0.00	\$13.44	\$16.38	\$19.59
						\$1,135.20	\$1,400.34	\$1,684.34



# FAC 1445 WORKING ANIMAL SUPPORT BUILDING

## Modeled Component List CostWorks Release 2021 Qtr 3

B30 Roofing		
EPDM Roof	14.0 Sq.	
C10 Interior Construction		
Concrete Block, Painted	30.0 C.S.F.	
Metal Lockers	10.0 Ea.	
C30 Interior Finishes		
Concrete, Finished	6.0 C.S.F.	
Epoxy Flooring	7.0 C.S.F.	
D20 Plumbing		
Emergency Eye Wash	1.0 Ea.	
Water Heater, Gas / Oil, 70 Gallon	1.0 Ea.	
Hose Bibb	10.0 Ea.	
Floor Drain With Bucekt	5.0 Ea.	
D30 HVAC		
Fan Coil, 10 ton	1.0 Ea.	
Exhaust Fan, propeller exh., 4700 CFM	2.0 Ea.	
Single Zone Air Conditioner, 7.5ton	1.0 Ea.	
Residential Gas Furnace, 100 MBH	1.0 Ea.	
D40 Fire Protection		
Backflow Preventer	1.0 Ea.	
D50 Electrical		
Motor Starter, Up To 600 V	1.0 Ea.	
Load Center, 100 A, maintenance & inspection	1.0 Ea.	
Smoke Detector	4.0 Ea.	

FAC 1445 WORKING ANIMAL SUPPORT BUILDING  
Sustainment by Year  
CostWorks Release 2021 Qtr 3

