

FAC 2261 AMMUNITION PRODUCTION PLANT

FY24 SUC: \$7.50 / SF
Source: Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 2261 AMMUNITION PRODUCTION PLANT

SUC \$7.50

Release 2023 Qtr 4
Zip Code Prefix 222
Type MR

UM SF
Design Life 55
Average Size 7030.066659

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	65.00 S.F.	\$2,478.70	\$3,024.90	3.6667	3	3	\$9,074.70	\$9,074.70
Replace fire escape balcony, 2' wide	25	12.00 L.F.	\$2,847.25	\$3,447.21	2.2000	2	2	\$6,894.42	\$6,894.42
Refinish fire escape stair and platform	7	2.00 Flight	\$1,218.63	\$1,464.95	7.8571	7	7	\$10,254.65	\$10,254.65
Repair clay brick wall, 1st floor	25	100.00 S.F.	\$4,524.91	\$5,561.84	2.2000	2	2	\$11,123.69	\$11,123.69
Replace steel louver, 1st floor	40	8.00 Ea.	\$4,833.18	\$5,656.01	1.3750	1	1	\$5,656.01	\$5,656.01
Replace steel louver, 2nd floor	40	4.00 Ea.	\$2,616.91	\$3,076.88	1.3750	1	1	\$3,076.88	\$3,076.88
Replace glass - 1st floor (1% of glass) - steel frame window	1	3.24 S.F.	\$42.60	\$50.03	55.0000	55	55	\$2,751.50	\$2,751.50
Repair 3'-9" x 5'-5" steel frame window - 1st floor.	20	16.00 Ea.	\$5,182.52	\$6,083.97	2.7500	2	2	\$12,167.93	\$12,167.93
Replace vinyl tile flooring	18	17.20 S.Y.	\$878.73	\$1,081.39	3.0556	3	3	\$3,244.18	\$3,244.18
Replace gypsum board ceiling, up to 12' high	40	4.20 C.S.F.	\$1,655.26	\$2,033.17	1.3750	1	1	\$2,033.17	\$2,033.17
Replace flush valve diaphragm for a urinal	7	3.00 Ea.	\$81.79	\$101.57	7.8571	7	7	\$710.98	\$710.98
Unplug line urinal	5	3.00 Ea.	\$457.93	\$573.24	11.0000	11	11	\$6,305.69	\$6,305.69
Replace washer in spud connection lavatory, vitreous china	7	12.00 Ea.	\$207.86	\$253.69	7.8571	7	7	\$1,775.83	\$1,775.83
Replace washer in faucet lavatory, vitreous china	2	12.00 Ea.	\$162.81	\$203.01	27.5000	27	27	\$5,481.17	\$5,481.17
Clean out strainer and P trap lavatory, vitreous china	2	12.00 Ea.	\$441.82	\$553.09	27.5000	27	27	\$14,933.38	\$14,933.38
Replace lavatory, vitreous china	35	12.00 Ea.	\$8,624.67	\$10,360.87	1.5714	1	1	\$10,360.87	\$10,360.87
Replace faucet washer sink, iron enamel	2	4.00 Ea.	\$53.80	\$67.08	27.5000	27	27	\$1,811.09	\$1,811.09
Clean trap sink, iron enamel	3	4.00 Ea.	\$36.02	\$45.10	18.3333	18	18	\$811.73	\$811.73
Replace faucets sink, iron enamel	10	4.00 Ea.	\$781.89	\$940.49	5.5000	5	5	\$4,702.43	\$4,702.43
Unstop sink, iron enamel	2	4.00 Ea.	\$176.04	\$220.38	27.5000	27	27	\$5,950.13	\$5,950.13
Replace sink, P.E.C.I. sink, iron enamel kitchen	35	4.00 Ea.	\$4,833.72	\$5,637.10	1.5714	1	1	\$5,637.10	\$5,637.10
Check / minor repairs drinking fountain	1	2.00 Ea.	\$103.05	\$129.00	55.0000	55	55	\$7,095.01	\$7,095.01
Repair internal leaks drinking fountain	4	2.00 Ea.	\$95.54	\$119.59	13.7500	13	13	\$1,554.72	\$1,554.72
Correct water pressure drinking fountain	2	2.00 Ea.	\$88.02	\$110.19	27.5000	27	27	\$2,975.07	\$2,975.07
Replace refrigerant drinking fountain	2	2.00 Ea.	\$70.81	\$82.86	27.5000	27	27	\$2,237.20	\$2,237.20
Repair drain leak drinking fountain	4	2.00 Ea.	\$58.19	\$70.38	13.7500	13	11	\$914.92	\$774.17
Replace fountain drinking fountain	10	2.00 Ea.	\$3,241.63	\$3,808.60	5.5000	5	5	\$19,043.01	\$19,043.01
Inspect and clean shower head emergency shower station	3	1.00 Ea.	\$51.54	\$64.51	18.3333	18	18	\$1,161.24	\$1,161.24
Replace shower emergency shower station	25	1.00 Ea.	\$1,053.08	\$1,259.15	2.2000	2	2	\$2,518.30	\$2,518.30
Inspect and clean spray heads, emergency eye wash	3	1.00 Ea.	\$51.54	\$64.51	18.3333	18	18	\$1,161.24	\$1,161.24

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace eye wash station, emergency eye wash	25	1.00 Ea.	\$785.91	\$955.55	2.2000	2	2	\$1,911.10	\$1,911.10
Drain and flush water heater, electric, 120 gallon	7	1.00 Ea.	\$309.15	\$387.00	7.8571	7	7	\$2,709.00	\$2,709.00
Check operation water heater, electric, 120 gallon	3	1.00 Ea.	\$2.72	\$3.40	18.3333	18	18	\$61.19	\$61.19
Replace water heater, electric, 120 gallon	15	1.00 Ea.	\$16,477.14	\$18,839.91	3.6667	3	3	\$56,519.72	\$56,519.72
Unclog floor drain, PVC	20	4.00 Ea.	\$201.81	\$252.63	2.7500	2	2	\$505.25	\$505.25
General maintenance & repair drain: roof, scupper, area	1	8.00 Ea.	\$313.44	\$392.38	55.0000	55	55	\$21,580.66	\$21,580.66
Replace drain: roof, scupper, area	40	8.00 Ea.	\$9,042.99	\$10,430.80	1.3750	1	1	\$10,430.80	\$10,430.80
Repair boiler, gas, 250 MBH	7	1.00 Ea.	\$2,758.88	\$3,222.41	7.8571	7	7	\$22,556.86	\$22,556.86
Replace boiler, gas, 250 MBH	30	1.00 Ea.	\$9,616.21	\$11,488.35	1.8333	1	1	\$11,488.35	\$11,488.35
Repair fan, induced draft, 2000 CFM	10	4.00 Ea.	\$1,276.75	\$1,558.68	5.5000	5	5	\$7,793.42	\$7,793.42
Replace fan, induced draft, 2000 CFM	20	4.00 Ea.	\$21,084.49	\$24,252.06	2.7500	2	2	\$48,504.12	\$48,504.12
Replace roof mounted exhaust fan, 8500 CFM exhaust fan	20	1.00 Ea.	\$4,297.06	\$4,984.96	2.7500	2	2	\$9,969.92	\$9,969.92
Repair flash tank 24 gallon	5	2.00 Ea.	\$923.15	\$1,155.63	11.0000	11	11	\$12,711.89	\$12,711.89
Repair condensate meter	15	2.00 Ea.	\$3,082.13	\$3,576.29	3.6667	3	3	\$10,728.86	\$10,728.86
Replace steam trap, 15 PSIG, 2" threaded	7	4.00 Ea.	\$5,152.99	\$5,949.38	7.8571	7	7	\$41,645.64	\$41,645.64
Replace gate valve, partial, 2" - 3" valves	20	4.00 Ea.	\$8,492.95	\$9,719.11	2.7500	2	2	\$19,438.22	\$19,438.22
Repair circulator pump, 1/12 - 3/4 H.P.	5	2.00 Ea.	\$206.95	\$244.10	11.0000	11	8	\$2,685.14	\$1,952.83
Replace circulator pump, 1/12 - 3/4 H.P.	15	1.00 Ea.	\$3,796.05	\$4,376.03	3.6667	3	3	\$13,128.10	\$13,128.10
Refill expansion tank	5	1.00 Ea.	\$15.56	\$19.48	11.0000	11	11	\$214.33	\$214.33
Repair damaged pipe insulation, fiberglass 1-1/2"	5	12.00 Ea.	\$306.57	\$373.29	11.0000	11	11	\$4,106.21	\$4,106.21
Maintenance and repair explosionproof industrial heater	2	2.00 Ea.	\$424.73	\$496.34	27.5000	27	26	\$13,401.16	\$12,904.82
Replace heater explosionproof industrial heater	15	2.00 Ea.	\$12,353.56	\$14,115.60	3.6667	3	3	\$42,346.81	\$42,346.81
Repair terminal reheat, 12" x 24" coil	10	6.00 Ea.	\$560.33	\$701.44	5.5000	5	4	\$3,507.19	\$2,805.75
Replace terminal reheat, 12" x 24" coil	15	6.00 Ea.	\$11,935.72	\$13,688.25	3.6667	3	3	\$41,064.76	\$41,064.76
Repair single zone rooftop unit, 25 ton	10	1.00 Ea.	\$54,305.81	\$62,518.61	5.5000	5	4	\$312,593.03	\$250,074.42
Replace single zone rooftop unit, 25 ton	15	1.00 Ea.	\$52,455.46	\$60,922.27	3.6667	3	3	\$182,766.81	\$182,766.81
Repair central station A.H.U., 16,000 CFM	10	1.00 Ea.	\$2,244.53	\$2,591.25	5.5000	5	5	\$12,956.25	\$12,956.25
Rebuild 4" diameter reduced pressure backflow preventer	10	2.00 Ea.	\$1,842.34	\$2,145.63	5.5000	5	5	\$10,728.13	\$10,728.13
Inspect sprinkler system	1	1.00 Ea.	\$36.17	\$45.28	55.0000	55	55	\$2,490.64	\$2,490.64
Replace sprinkler head	20	35.00 Ea.	\$3,067.67	\$3,785.32	2.7500	2	2	\$7,570.63	\$7,570.63
Rebuild double check 4" backflow preventer sprinkler system	1	1.00 Ea.	\$799.69	\$961.23	55.0000	55	55	\$52,867.59	\$52,867.59
Refinish 3'-9" x 5'-5" steel frame window - 1st floor.	5	16.00 Ea.	\$1,395.37	\$1,727.46	11.0000	11	11	\$19,002.06	\$19,002.06
Repair 2'-0" x 3'-0" steel frame window - 2nd floor.	20	16.00 Ea.	\$3,302.30	\$3,975.84	2.7500	2	2	\$7,951.69	\$7,951.69

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Refinish 2'-0" x 3'-0" steel frame window - 2nd floor.	5	16.00 Ea.	\$2,541.69	\$3,153.14	11.0000	11	11	\$34,684.57	\$34,684.57
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	3.20 S.F.	\$42.08	\$49.41	55.0000	55	55	\$2,717.53	\$2,717.53
Repair steel, painted, door	14	2.00 Ea.	\$1,404.67	\$1,668.39	3.9286	3	3	\$5,005.16	\$5,005.16
Refinish 3'-0" x 7'-0" steel, painted, door	4	2.00 Ea.	\$92.11	\$112.79	13.7500	13	13	\$1,466.30	\$1,466.30
Replace 3'-0" x 7'-0" steel, painted, door	45	2.00 Ea.	\$1,834.22	\$2,123.85	1.2222	1	1	\$2,123.85	\$2,123.85
Repair 12' x 12' steel roll-up door	10	2.00 Ea.	\$1,402.23	\$1,666.45	5.5000	5	5	\$8,332.24	\$8,332.24
Repair switchgear 1200 A mainframe	5	2.00 Ea.	\$3,607.11	\$4,231.50	11.0000	11	11	\$46,546.55	\$46,546.55
Maintenance and inspection switchgear, mainframe	1	2.00 Ea.	\$136.51	\$171.03	55.0000	55	55	\$9,406.68	\$9,406.68
Replace fuse	25	24.00 Ea.	\$10,965.48	\$12,592.05	2.2000	2	2	\$25,184.10	\$25,184.10
Repair switchboard meter	10	2.00 Ea.	\$2,437.24	\$2,868.25	5.5000	5	5	\$14,341.24	\$14,341.24
Maintenance and repair motor starter, up to 600 V	5	2.00 Ea.	\$525.64	\$638.99	11.0000	11	11	\$7,028.87	\$7,028.87
Maintenance and inspection motor starter, up to 600 V	0.5	2.00 Ea.	\$113.76	\$142.53	110.0000	110	110	\$15,677.80	\$15,677.80
Replace starter motor starter, up to 600 V	18	4.00 Ea.	\$3,364.09	\$4,002.99	3.0556	3	3	\$12,008.96	\$12,008.96
Maintenance and repair secondary transformer, dry	10	2.00 Ea.	\$508.21	\$607.25	5.5000	5	5	\$3,036.25	\$3,036.25
Maintenance and inspection lighting panel, indoor	3	1.00 Ea.	\$42.34	\$53.05	18.3333	18	18	\$954.92	\$954.92
Replace EMT conduit, 1" diameter	50	1.40 M.L.F.	\$15,762.22	\$18,986.35	1.1000	1	1	\$18,986.35	\$18,986.35
Maintenance and repair breaker, molded case, 480 V, 1 pole	20	6.00 Ea.	\$455.04	\$570.10	2.7500	2	2	\$1,140.20	\$1,140.20
Repair failed breaker, 600 V, molded case, 600 V, 2 pole	10	9.00 Ea.	\$3,272.18	\$3,905.90	5.5000	5	5	\$19,529.51	\$19,529.51
Maintenance and repair safety switch, 3 pole safety switch, heavy duty	8	1.00 Ea.	\$42.34	\$53.05	6.8750	6	6	\$318.31	\$318.31
Maintenance and inspection safety switch, 3 pole, heavy duty	1	1.00 Ea.	\$42.34	\$53.05	55.0000	55	55	\$2,917.81	\$2,917.81
Replace safety switch, heavy duty 30 A	25	1.00 Ea.	\$676.63	\$806.23	2.2000	2	2	\$1,612.47	\$1,612.47
Maintenance and repair receptacles and plugs	20	44.00 Ea.	\$1,937.90	\$2,419.20	2.7500	2	2	\$4,838.40	\$4,838.40
Replace receptacle/plug receptacles and plugs	20	44.00 Ea.	\$3,292.55	\$4,059.77	2.7500	2	2	\$8,119.54	\$8,119.54
Maintenance and repair contactors and relays	3	4.00 Ea.	\$1,045.38	\$1,291.30	18.3333	18	18	\$23,243.37	\$23,243.37
Maintenance and repair wiring devices, switches	10	41.00 Ea.	\$1,805.77	\$2,254.26	5.5000	5	5	\$11,271.28	\$11,271.28
Replace wiring devices, switches	15	41.00 Ea.	\$2,733.93	\$3,403.28	3.6667	3	3	\$10,209.84	\$10,209.84
Maintenance and repair quartz fixture	10	12.00 Ea.	\$694.02	\$836.37	5.5000	5	5	\$4,181.86	\$4,181.86
Replace 1500 W quartz lamp	10	12.00 Ea.	\$589.73	\$711.23	5.5000	5	5	\$3,556.14	\$3,556.14
Replace metal halide ballast, 175 W	10	8.00 Ea.	\$1,335.10	\$1,598.12	5.5000	5	5	\$7,990.58	\$7,990.58
Replace metal halide fixture lamp, 175 W	5	8.00 Ea.	\$456.77	\$555.93	11.0000	11	11	\$6,115.26	\$6,115.26
Repair smoke detector	10	22.00 Ea.	\$1,276.22	\$1,580.32	5.5000	5	4	\$7,901.58	\$6,321.27
Check operation smoke detector	1	22.00 Ea.	\$374.02	\$468.59	55.0000	55	55	\$25,772.56	\$25,772.56
Replace smoke detector	15	22.00 Ea.	\$6,656.15	\$7,946.81	3.6667	3	3	\$23,840.42	\$23,840.42

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Repair heat detector	10	12.00 Ea.	\$751.24	\$924.63	5.5000	5	5	\$4,623.13	\$4,623.13
Replace heat detector	15	12.00 Ea.	\$2,125.28	\$2,601.91	3.6667	3	3	\$7,805.73	\$7,805.73
Check and repair manual pull station	10	2.00 Ea.	\$179.77	\$221.49	5.5000	5	4	\$1,107.47	\$885.97
Replace manual pull station	15	2.00 Ea.	\$417.52	\$503.53	3.6667	3	3	\$1,510.58	\$1,510.58
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.42	\$182.60	11.0000	11	11	\$2,008.55	\$2,008.55
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$45.50	\$57.01	110.0000	110	110	\$6,271.12	\$6,271.12
Replace fire alarm control panel	15	1.00 Ea.	\$2,196.12	\$2,675.47	3.6667	3	3	\$8,026.42	\$8,026.42
Minor repairs to annunciation panel	5	3.00 Ea.	\$448.25	\$547.79	11.0000	11	11	\$6,025.65	\$6,025.65
Maintenance and inspection annunciation panel	0.5	3.00 Ea.	\$136.51	\$171.03	110.0000	110	110	\$18,813.36	\$18,813.36
Replace annunciation panel	15	3.00 Ea.	\$3,375.75	\$4,072.25	3.6667	3	3	\$12,216.76	\$12,216.76
Replace fire alarm bell, 6"	20	6.00 Ea.	\$1,083.64	\$1,318.63	2.7500	2	2	\$2,637.26	\$2,637.26
Maintenance and repair special ground system	4	1.00 Ea.	\$22.69	\$28.43	13.7500	13	13	\$369.54	\$369.54
Replace special ground system	50	2.10 M.L.F.	\$5,093.65	\$6,138.58	1.1000	1	1	\$6,138.58	\$6,138.58
Replace lamp emergency lighting fixture	2	10.00 Ea.	\$544.93	\$658.55	27.5000	27	27	\$17,780.86	\$17,780.86
Maintenance and repair exit light	20	10.00 Ea.	\$384.90	\$476.71	2.7500	2	2	\$953.41	\$953.41
Replace lamp exit light	5	10.00 Ea.	\$163.47	\$194.39	11.0000	11	11	\$2,138.25	\$2,138.25
Maintenance and inspection UPS battery	0.17	1.00 Ea.	\$68.26	\$85.52	323.5294	323	323	\$27,621.43	\$27,621.43
Replace motor generator UPS battery	15	1.00 Ea.	\$1,066.21	\$1,264.47	3.6667	3	3	\$3,793.40	\$3,793.40
Maintenance and repair voice/data outlet	10	8.00 Ea.	\$434.59	\$542.73	5.5000	5	5	\$2,713.66	\$2,713.66
Replace voice/data outlet	20	8.00 Ea.	\$212.75	\$259.55	2.7500	2	2	\$519.10	\$519.10
Maintenance and inspection patch panel	0.5	1.00 Ea.	\$91.01	\$114.02	110.0000	110	110	\$12,542.24	\$12,542.24
Replace glove box gloves	5	1.00 Ea.	\$391.73	\$457.39	11.0000	11	11	\$5,031.31	\$5,031.31
Replace fume hood sash	20	1.00 Ea.	\$1,259.84	\$1,446.35	2.7500	2	2	\$2,892.71	\$2,892.71
Remove and replace hydraulic dock leveler lift cylinder	15	1.00 Ea.	\$7,980.83	\$9,088.67	3.6667	3	3	\$27,266.00	\$27,266.00
Remove and replace hydraulic dock leveler hydraulic pump	20	1.00 Ea.	\$2,116.95	\$2,420.62	2.7500	2	2	\$4,841.23	\$4,841.23
Remove and replace 20" dia dust collector bag	5	1.00 Ea.	\$1,472.51	\$1,682.24	11.0000	11	11	\$18,504.60	\$18,504.60
Remove and replace 50 HP pump motor	25	1.00 Ea.	\$9,015.62	\$10,299.87	2.2000	2	2	\$20,599.73	\$20,599.73
Replace 12' x 12' steel roll-up door	35	2.00 Ea.	\$5,608.93	\$6,665.79	1.5714	1	1	\$6,665.79	\$6,665.79
Acoustic tile repairs - (2% of ceilings)	9	1.30 C.S.F.	\$1,200.92	\$1,397.15	6.1111	6	6	\$8,382.90	\$8,382.90
Replace wall-hung urinal	35	3.00 Ea.	\$3,262.56	\$3,924.14	1.5714	1	1	\$3,924.14	\$3,924.14
Replace acoustic tile ceiling, fire-rated	20	8.00 C.S.F.	\$4,167.42	\$4,925.58	2.7500	2	2	\$9,851.16	\$9,851.16
Replace flush valve diaphragm tankless water closet	10	6.00 Ea.	\$163.58	\$203.14	5.5000	5	5	\$1,015.68	\$1,015.68
Rebuild flush valve tankless water closet	20	6.00 Ea.	\$1,151.29	\$1,387.61	2.7500	2	2	\$2,775.23	\$2,775.23
Replace tankless water closet	35	6.00 Ea.	\$8,499.33	\$9,829.92	1.5714	1	1	\$9,829.92	\$9,829.92
Replace tankless flush valve	25	6.00 Ea.	\$1,621.46	\$1,903.31	2.2000	2	2	\$3,806.61	\$3,806.61
Debris removal and visual inspection of built-up roofing	0.5	6.00 M.S.F.	\$243.12	\$296.54	110.0000	110	110	\$32,619.21	\$32,619.21

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Non-destructive moisture inspection of built-up roofing	5	6.00 M.S.F.	\$757.49	\$923.91	11.0000	11	11	\$10,163.00	\$10,163.00	
Minor BUR membrane repairs, 2% of roof area	1	1.20 Sq.	\$638.41	\$756.96	55.0000	55	55	\$41,632.89	\$41,632.89	
BUR flashing repairs, 2 S.F. per sq. repaired	1	2.50 S.F.	\$9.47	\$11.50	55.0000	55	55	\$632.44	\$632.44	
Minor BUR membrane replacement, 25% of roof area	15	15.70 Sq.	\$14,366.69	\$17,013.78	3.6667	3	3	\$51,041.34	\$51,041.34	
Place new BUR membrane over existing	20	64.00 Sq.	\$34,002.04	\$40,069.86	2.7500	2	2	\$80,139.73	\$80,139.73	
Total BUR roof replacement	28	64.00 Sq.	\$56,012.84	\$66,133.02	1.9643	1	1	\$66,133.02	\$66,133.02	
Replace Roof edges, aluminum, duranodic, .050" thick, 6" face	25	280.00 L.F.	\$13,281.77	\$15,469.95	2.2000	2	2	\$30,939.90	\$30,939.90	
Replace aluminum gutter, enameled, 5" K type, .027 " thick	40	120.00 L.F.	\$1,238.46	\$1,496.16	1.3750	1	1	\$1,496.16	\$1,496.16	
Replace galvanized smoke hatch single unit 4' x 4'	40	8.00 Ea.	\$39,506.92	\$45,095.06	1.3750	1	1	\$45,095.06	\$45,095.06	
Repair 8" concrete block wall - (2% of walls) painted	25	2.10 C.S.F.	\$2,404.32	\$2,891.89	2.2000	2	2	\$5,783.79	\$5,783.79	
Refinish concrete block wall painted	4	2.10 C.S.F.	\$249.25	\$301.34	13.7500	13	13	\$3,917.36	\$3,917.36	
Repair steel painted interior door	14	12.00 Ea.	\$3,347.86	\$3,908.19	3.9286	3	3	\$11,724.56	\$11,724.56	
Replace 3'-0" x 7'-0" steel painted interior door	60	12.00 Ea.	\$15,354.58	\$17,807.01	0.9167	0	0	\$0.00	\$0.00	
Repair solid core wood door, interior	11	4.00 Ea.	\$1,115.95	\$1,302.73	5.0000	5	5	\$6,513.64	\$6,513.64	
Replace wax ring gasket for tankless water closet	5	6.00 Ea.	\$894.99	\$1,119.32	11.0000	11	11	\$12,312.53	\$12,312.53	
Replace 3'-0" x 7'-0" solid core wood door, interior	40	4.00 Ea.	\$2,266.20	\$2,616.39	1.3750	1	1	\$2,616.39	\$2,616.39	
Repair 5/8" drywall - (2% of walls)	20	24.40 S.F.	\$40.77	\$49.82	2.7500	2	2	\$99.65	\$99.65	
Refinish concrete floor finished	25	48.80 C.S.F.	\$20,328.97	\$24,527.79	2.2000	2	2	\$49,055.58	\$49,055.58	
Repair gypsum board ceiling - (2% of ceilings)	20	1.10 C.S.F.	\$422.65	\$518.99	2.7500	2	2	\$1,037.98	\$1,037.98	
Rebuild flush valve for a urinal	20	3.00 Ea.	\$575.64	\$693.81	2.7500	2	2	\$1,387.61	\$1,387.61	
Replace faucets lavatory, vitreous china	10	12.00 Ea.	\$2,345.66	\$2,821.46	5.5000	5	5	\$14,107.29	\$14,107.29	
			\$627,591.17	\$736,078.76				MR Subtotal	\$2,214,475.68	
									MR Per Year	\$40,204.60
									PM Total	\$12,517.54
									Subtotal	\$52,722.14
									Total Per Unit	\$7.50

FAC 2261 AMMUNITION PRODUCTION PLANT

SUC \$7.50

Release 2023 Qtr 4

UM SF

Zip Code Prefix 222

Design Life 55

Type PM

Average Size 7030.066659

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Lavatories, annualized	12.00	4.18	\$93.51	\$261.60	\$0.00	\$355.11	\$442.94	\$535.45
Drink fountain, annualized	2.00	1.24	\$74.89	\$66.27	\$0.00	\$141.16	\$168.53	\$199.65
Valve, gate, above 4", annualized	2.00	0.32	\$8.28	\$17.00	\$0.00	\$25.28	\$31.21	\$37.55
Valve, sediment strainer, above 4", annualized	2.00	0.63	\$11.84	\$33.48	\$0.00	\$45.33	\$56.55	\$68.38
Oxygen monitor, annualized	1.00	5.00	\$490.82	\$265.96	\$0.00	\$756.78	\$885.65	\$1,039.06
Boiler, hot water, oil, gas, or comb. fired, 120 - 500 MBH, annualized	1.00	15.88	\$88.55	\$1,002.80	\$0.00	\$1,091.35	\$1,401.04	\$1,715.17
Air handling unit, 3 thru 24 tons, annualized	1.00	2.06	\$159.90	\$109.87	\$0.00	\$269.77	\$318.72	\$375.67
Fan, axial, up to 5,000 CFM, annualized	4.00	4.98	\$33.19	\$266.83	\$0.00	\$300.03	\$383.39	\$468.42
Package unit, air cooled, 3 thru 24 ton, annualized	1.00	2.40	\$166.98	\$151.73	\$0.00	\$318.71	\$380.92	\$451.49
Air compressor, gas engine powered, annualized	1.00	16.57	\$196.33	\$1,046.40	\$0.00	\$1,242.73	\$1,576.28	\$1,919.65
Backflow prevention device, up to 4", annualized	2.00	0.67	\$28.03	\$41.86	\$0.00	\$69.89	\$85.25	\$102.01
Extinguishing system, deluge / preaction, annualized	2.00	23.17	\$99.18	\$1,456.24	\$0.00	\$1,555.42	\$2,002.21	\$2,453.95
Extinguishing system, foam bottle, annualized	1.00	3.71	\$20.75	\$197.94	\$0.00	\$218.69	\$280.15	\$342.64
Switchboard, annualized	2.00	1.40	\$7.96	\$97.94	\$0.00	\$105.90	\$136.08	\$166.66
Circuit breaker, high voltage air, annualized	2.00	0.94	\$27.66	\$64.95	\$0.00	\$92.61	\$114.86	\$138.50
Switch, selector, high voltage, air, annualized	2.00	0.82	\$27.66	\$56.70	\$0.00	\$84.36	\$104.14	\$125.30
Transformer, dry type 500 KVA and over, annualized	2.00	1.54	\$27.66	\$107.22	\$0.00	\$134.88	\$169.82	\$206.13
Panelboard, 225 A and above, annualized	4.00	1.76	\$88.00	\$121.66	\$0.00	\$209.66	\$254.96	\$304.66
Power stablizer, annualized	1.00	0.62	\$9.16	\$39.69	\$0.00	\$48.85	\$61.68	\$74.96
Hydraulic lift, loading dock, annualized	1.00	1.63	\$24.27	\$58.90	\$0.00	\$83.17	\$103.27	\$124.58
Crane, electric bridge, up to 5 ton, annualized	1.00	2.92	\$206.82	\$107.79	\$0.00	\$314.61	\$367.63	\$430.99
Door, emergency egress, swinging, annualized	2.00	0.52	\$33.53	\$22.97	\$0.00	\$56.49	\$66.74	\$78.66
Door, overhead, electric, roll up, to 24' high x 25' wide, annually	2.00	4.08	\$43.60	\$179.21	\$0.00	\$222.81	\$280.93	\$341.24
Shutter, roll up, electric, annually	2.00	4.10	\$17.02	\$180.72	\$0.00	\$197.74	\$253.66	\$310.43
Fire doors, swinging, annualized	6.00	2.35	\$93.99	\$92.74	\$0.00	\$186.73	\$223.95	\$265.87
Urinals, annualized	3.00	0.68	\$19.89	\$36.49	\$0.00	\$56.38	\$69.32	\$83.25
Toilet (vacuum breaker type), annualized	6.00	1.06	\$53.13	\$56.77	\$0.00	\$109.90	\$132.24	\$157.24
						\$8,294.34	\$10,352.13	\$12,517.54

FAC 2261 AMMUNITION PRODUCTION PLANT

Modeled Component List CostWorks Release 2023 Qtr 4

B20 Exterior Enclosure		
Steel Louver, 1st floor	8.0 Ea.	
Steel Louver, 2nd floor	4.0 Ea.	
Steel, Painted	2.0 Ea.	
Steel Single, Roll-Up	2.0 Ea.	
C30 Interior Finishes		
Vinyl	17.2 S.Y.	
Gypsum Wall Board	4.2 C.S.F.	
Acoustic Tile, fire-rated	8.0 C.S.F.	
Concrete, Finished	48.8 C.S.F.	
D20 Plumbing		
Lavatory, Vitreous China	12.0 Ea.	
Sink, Iron Enamel	4.0 Ea.	
Drinking Fountain	2.0 Ea.	
Emergency Shower Station	1.0 Ea.	
Emergency Eye Wash	1.0 Ea.	
Water Heater, Electric, 120 Gallon	1.0 Ea.	
Drain: Roof, Scupper, Area	8.0 Ea.	
Urinal	3.0 Ea.	
Tankless Water Closet	6.0 Ea.	
Valve Gate	2.0 Each	
D30 HVAC		
Boiler, Gas, 250 MBH	1.0 Ea.	
Exhaust Fan, roof mounted exhaust fan, 8500 CFM exhaust	1.0 Ea.	
Steam Traps	4.0 Ea.	
Valves	4.0 Ea.	
Circulator Pump, 1/12 - 3/4 H.P.	1.0 Ea.	
Explosionproof Industrial Heater	2.0 Ea.	
Terminal Reheat Coil, 12" x 24"	6.0 Ea.	
Single Zone Air Conditioner, 25 ton	1.0 Ea.	
D40 Fire Protection		
Backflow Preventer	2.0 Ea.	
Sprinkler System, Fire Suppression, sprinkler head	35.0 Ea.	
D50 Electrical		
Motor Starter, Up To 600 V	4.0 Ea.	
Load Center, 100 A, maintenance & inspection	1.0 Ea.	
Safety Switch, Heavy Duty	1.0 Ea.	
Quartz Lamp 1500 W, replace lamp	12.0 Ea.	
Smoke Detector	22.0 Ea.	
Heat Detector	12.0 Ea.	
Manual Pull Station	2.0 Ea.	
Fire Alarm Control Panel	1.0 Ea.	
Annunciation Panel	3.0 Ea.	
Fire Alarm Bell	6.0 Ea.	
Special Ground System	2.1 M.L.F.	
UPS Battery, maintenance & inspection	1.0 Ea.	
UPS Battery, replace motor	1.0 Ea.	
B30 Roofing		
Built-Up Roofing	64.0 Sq.	
Aluminum Gutter	120.0 L.F.	
C10 Interior Construction		
Concrete Block, Painted	2.1 C.S.F.	

Steel Painted Interior Doors	12.0 Ea.
Solid Core Interior Doors	4.0 Ea.
Fire Doors, Swinging, annualized	6.0 Each
E10 Equipment	
Hydraulic Lift, Loading Dock, annualized	1.0 Each
Crane, Electric, up to 5 ton, annualized	1.0 Each

FAC 2261 AMMUNITION PRODUCTION PLANT
Sustainment by Year
CostWorks Release 2023 Qtr 4

