

FAC 3712 RDTE RANGE FACILITY

FY24 SUC:	\$6,228.44 / EA
Source:	Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 3712 RDTE RANGE FACILITY

SUC \$6,228.44

Release 2023 Qtr 4
Zip Code Prefix 222
Type MR

UM EA
Design Life 40
Average Size 1.0

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
Repair metal stairs	15	60.00 S.F.	\$4,330.05	\$5,006.76	2.6667	2	2	\$10,013.51	\$10,013.51
Replace metal hand rail	30	180.00 L.F.	\$10,897.24	\$12,667.35	1.3333	1	1	\$12,667.35	\$12,667.35
Refinish fire escape stair and platform	7	2.00 Flight	\$1,218.63	\$1,464.95	5.7143	5	5	\$7,324.75	\$7,324.75
Replace fire escape stair and platform	25	2.00 Flight	\$12,677.94	\$15,465.23	1.6000	1	1	\$15,465.23	\$15,465.23
Replace steel decking	30	160.00 S.F.	\$944.71	\$1,097.65	1.3333	1	1	\$1,097.65	\$1,097.65
Repair 8" concrete block wall, 1st floor	25	140.00 S.F.	\$3,597.88	\$4,405.62	1.6000	1	1	\$4,405.62	\$4,405.62
Point and refinish painted concrete block wall, 1st floor	25	16.00 C.S.F.	\$8,270.87	\$10,193.80	1.6000	1	1	\$10,193.80	\$10,193.80
Point and refinish painted concrete block wall, 2nd floor	25	1.60 C.S.F.	\$963.96	\$1,189.23	1.6000	1	1	\$1,189.23	\$1,189.23
Repair window - 1st floor (2% of glass) - fixed glass block	8	24.00 S.F.	\$2,026.93	\$2,409.21	5.0000	5	5	\$12,046.07	\$12,046.07
Repair window - 2nd floor (2% of glass) - fixed glass block	8	24.00 S.F.	\$4,406.68	\$5,362.25	5.0000	5	5	\$26,811.26	\$26,811.26
Refinish steel shutter - 1st floor	5	1.00 Ea.	\$105.78	\$131.01	8.0000	8	8	\$1,048.10	\$1,048.10
Repair steel, painted, door	14	3.00 Ea.	\$2,107.00	\$2,502.58	2.8571	2	2	\$5,005.16	\$5,005.16
Replace 3'-0" x 7'-0" steel, painted, door	45	2.00 Ea.	\$1,834.22	\$2,123.85	0.8889	0	0	\$0.00	\$0.00
Debris removal by hand & visual inspection,modified bitum/thermoplstc	1	0.40 M.S.F.	\$16.21	\$19.77	40.0000	40	40	\$790.77	\$790.77
Non-destructive moisture inspection, modified bituminous/thermoplastic	5	0.40 M.S.F.	\$50.50	\$61.59	8.0000	8	8	\$492.75	\$492.75
Minor thermoplastic membrane repairs, 2% of roof area	1	0.32 Sq.	\$103.86	\$124.02	40.0000	40	40	\$4,960.74	\$4,960.74
Total roof replacement, modified bituminous / thermoplastic	25	16.00 Sq.	\$10,911.35	\$12,952.32	1.6000	1	1	\$12,952.32	\$12,952.32
Refinish concrete floor finished	25	80.00 C.S.F.	\$33,326.18	\$40,209.49	1.6000	1	1	\$40,209.49	\$40,209.49
Replace old valve, non-drain, 2"	10	2.00 Ea.	\$2,417.35	\$2,772.89	4.0000	4	4	\$11,091.58	\$11,091.58
Replace old valve with new hose bibb	10	2.00 Ea.	\$143.24	\$174.32	4.0000	4	4	\$697.28	\$697.28
Maintenance and inspection lighting panel, indoor	3	1.00 Ea.	\$42.34	\$53.05	13.3333	13	13	\$689.66	\$689.66
Replace load center, 100 A	20	1.00 Ea.	\$1,181.03	\$1,440.53	2.0000	2	2	\$2,881.07	\$2,881.07
Maintenance and repair breaker, enclosed, 240 V, 1 pole	25	4.00 Ea.	\$303.36	\$380.07	1.6000	1	1	\$380.07	\$380.07
Maintenance and repair breaker, enclosed, 240 V, 2 pole	25	4.00 Ea.	\$303.36	\$380.07	1.6000	1	1	\$380.07	\$380.07
Maintenance and repair safety switch general, 2 pole	8	2.00 Ea.	\$84.69	\$106.10	5.0000	5	5	\$530.51	\$530.51
Repair 4-pin receptacle cover	10	10.00 Ea.	\$607.04	\$750.93	4.0000	4	4	\$3,003.72	\$3,003.72
Replace 4-pin receptacle	20	14.00 Ea.	\$2,140.97	\$2,546.19	2.0000	2	2	\$5,092.39	\$5,092.39
Maintenance and repair wiring devices, switches	10	6.00 Ea.	\$264.26	\$329.89	4.0000	4	4	\$1,319.56	\$1,319.56
Maintenance and repair incandescent lighting fixtures	10	18.00 Ea.	\$1,212.01	\$1,448.06	4.0000	4	4	\$5,792.22	\$5,792.22
Replace incandescent lighting fixture lamp	5	18.00 Ea.	\$231.12	\$278.17	8.0000	8	8	\$2,225.34	\$2,225.34

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost	
Maintenance and repair TV cable outlet	10	8.00 Ea.	\$434.59	\$542.73	4.0000	4	4	\$2,170.93	\$2,170.93	
Maintenance and repair of general wiring lightning protection system	1	0.40 M.L.F.	\$43.80	\$53.95	40.0000	40	40	\$2,158.19	\$2,158.19	
Maintenance and repair lightning ground rod	1	4.00 Ea.	\$369.13	\$461.29	40.0000	40	39	\$18,451.45	\$17,990.16	
Replace lightning ground rod	25	4.00 Ea.	\$982.42	\$1,214.69	1.6000	1	1	\$1,214.69	\$1,214.69	
Maintenance and repair voice/data outlet	10	16.00 Ea.	\$869.17	\$1,085.47	4.0000	4	4	\$4,341.86	\$4,341.86	
Replace voice/data outlet	20	16.00 Ea.	\$425.50	\$519.10	2.0000	2	2	\$1,038.20	\$1,038.20	
Repair 2'-0" x 3'-0" steel frame window - 1st floor.	20	2.00 Ea.	\$312.63	\$372.54	2.0000	2	2	\$745.09	\$745.09	
Repair 2'-0" x 3'-0" steel frame window - 2nd floor.	20	2.00 Ea.	\$412.79	\$496.98	2.0000	2	2	\$993.96	\$993.96	
			\$110,570.78	\$132,793.72				MR Subtotal	\$231,410.35	
									MR Per Year	\$5,785.26
									PM Total	\$443.18
									Subtotal	\$6,228.44
									Total Per Unit	\$6,228.44

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Release 2023 Qtr 4

UM EA

Zip Code Prefix 222

Design Life 40

Type PM

Average Size 1.0

SUC \$6,228.44

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Panelboard, 225 A and above, annually	1.00	0.44	\$22.00	\$30.41	\$0.00	\$52.42	\$63.74	\$76.16
Door, emergencyegress, swinging, annually	3.00	0.20	\$16.82	\$8.58	\$0.00	\$25.40	\$29.66	\$34.75
Hoist / winch, chain / cable, electric, annualized	1.00	1.65	\$187.40	\$61.26	\$0.00	\$248.66	\$285.78	\$332.26
						\$326.47	\$379.17	\$443.18

FAC 3712 RDTE RANGE FACILITY
Modeled Component List
CostWorks Release 2023 Qtr 4

B10 Superstructure	
Railing, Metal	180.0 L.F.
Steel Decking	160.0 S.F.
B20 Exterior Enclosure	
Steel, Painted	2.0 Ea.
B30 Roofing	
Modified Bituminous / Thermoplastic	16.0 Sq.
C30 Interior Finishes	
Concrete, Finished	80.0 C.S.F.
D20 Plumbing	
Valve, Non-Drain, 2"	2.0 Ea.
Hose Bibb	2.0 Ea.
D50 Electrical	
Load Center, 100 A, maintenance & inspection	1.0 Ea.
Load Center, 100 A, replacement	1.0 Ea.
Lightning Ground Rod	4.0 Ea.
E10 Equipment	
Hoist/Winch, Chain/Cable, annualized	1.0 Each

FAC 3712 RDTE RANGE FACILITY
Sustainment by Year
CostWorks Release 2023 Qtr 4

