

**FAC 3712 RDTE RANGE FACILITY**

FY22 SUC:	\$6,068.49 / EA
Source:	Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

## FAC 3712 RDTE RANGE FACILITY

SUC \$6,068.49

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.

Release 2021 Qtr 3  
Zip Code Prefix 222  
Type MR

UM EA  
Design Life 40  
Average Size 1.0

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.	\$6,043.56	\$6,953.36	2.6667	2	2	\$13,906.73	\$13,906.73
Replace metal hand rail	30	180.00 L.F.	\$13,623.02	\$15,763.08	1.3333	1	1	\$15,763.08	\$15,763.08
Refinish fire escape stair and platform	7	2.00 Flight	\$1,125.61	\$1,359.52	5.7143	5	5	\$6,797.60	\$6,797.60
Replace fire escape stair and platform	25	2.00 Flight	\$13,769.23	\$16,698.75	1.6000	1	1	\$16,698.75	\$16,698.75
Replace steel decking	30	160.00 S.F.	\$1,175.90	\$1,360.19	1.3333	1	1	\$1,360.19	\$1,360.19
Repair 8" concrete block wall, 1st floor	25	140.00 S.F.	\$3,390.07	\$4,147.25	1.6000	1	1	\$4,147.25	\$4,147.25
Point and refinish painted concrete block wall, 1st floor	25	16.00 C.S.F.	\$7,516.43	\$9,276.88	1.6000	1	1	\$9,276.88	\$9,276.88
Point and refinish painted concrete block wall, 2nd floor	25	1.60 C.S.F.	\$880.46	\$1,087.29	1.6000	1	1	\$1,087.29	\$1,087.29
Repair window - 1st floor (2% of glass) - fixed glass block	8	24.00 S.F.	\$1,795.65	\$2,138.45	5.0000	5	5	\$10,692.24	\$10,692.24
Repair window - 2nd floor (2% of glass) - fixed glass block	8	24.00 S.F.	\$4,034.22	\$4,912.07	5.0000	5	5	\$24,560.33	\$24,560.33
Refinish steel shutter - 1st floor	5	1.00 Ea.	\$97.04	\$120.41	8.0000	8	8	\$963.25	\$963.25
Repair steel, painted, door	14	3.00 Ea.	\$1,875.22	\$2,232.02	2.8571	2	2	\$4,464.03	\$4,464.03
Replace 3'-0" x 7'-0" steel, painted, door	45	2.00 Ea.	\$1,410.13	\$1,639.46	0.8889	0	0	\$0.00	\$0.00
Debris removal by hand & visual inspection, modified bitum/thermoplastc	1	0.40 M.S.F.	\$15.06	\$18.37	40.0000	40	40	\$734.94	\$734.94
Non-destructive moisture inspection, modified bituminous/thermoplastic	5	0.40 M.S.F.	\$46.74	\$57.01	8.0000	8	8	\$456.09	\$456.09
Minor thermoplastic membrane repairs, 2% of roof area	1	0.32 Sq.	\$103.82	\$123.54	40.0000	40	40	\$4,941.41	\$4,941.41
Total roof replacement, modified bituminous / thermoplastic	25	16.00 Sq.	\$10,139.66	\$12,033.11	1.6000	1	1	\$12,033.11	\$12,033.11
Refinish concrete floor finished	25	80.00 C.S.F.	\$33,746.18	\$40,534.42	1.6000	1	1	\$40,534.42	\$40,534.42
Replace old valve, non-drain, 2"	10	2.00 Ea.	\$1,657.55	\$1,907.78	4.0000	4	4	\$7,631.13	\$7,631.13
Replace old valve with new hose bibb	10	2.00 Ea.	\$124.61	\$152.56	4.0000	4	4	\$610.24	\$610.24
Maintenance and inspection lighting panel, indoor	3	1.00 Ea.	\$40.64	\$50.92	13.3333	13	13	\$661.98	\$661.98
Replace load center, 100 A	20	1.00 Ea.	\$1,094.16	\$1,336.88	2.0000	2	2	\$2,673.75	\$2,673.75
Maintenance and repair breaker, enclosed, 240 V, 1 pole	25	4.00 Ea.	\$287.05	\$359.63	1.6000	1	1	\$359.63	\$359.63
Maintenance and repair breaker, enclosed, 240 V, 2 pole	25	4.00 Ea.	\$287.05	\$359.63	1.6000	1	1	\$359.63	\$359.63
Maintenance and repair safety switch general, 2 pole	8	2.00 Ea.	\$81.29	\$101.84	5.0000	5	5	\$509.21	\$509.21
Repair 4-pin receptacle cover	10	10.00 Ea.	\$585.51	\$723.06	4.0000	4	4	\$2,892.24	\$2,892.24
Replace 4-pin receptacle	20	14.00 Ea.	\$2,047.51	\$2,433.91	2.0000	2	2	\$4,867.82	\$4,867.82
Maintenance and repair wiring devices, switches	10	6.00 Ea.	\$253.46	\$316.43	4.0000	4	4	\$1,265.73	\$1,265.73
Maintenance and repair incandescent lighting fixtures	10	18.00 Ea.	\$1,239.58	\$1,475.73	4.0000	4	4	\$5,902.92	\$5,902.92
Replace incandescent lighting fixture lamp	5	18.00 Ea.	\$206.68	\$249.62	8.0000	8	8	\$1,996.95	\$1,996.95

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.	\$410.35	\$512.46	4.0000	4	4	\$2,049.86	\$2,049.86	
Maintenance and repair of general wiring lightning protection system	1	0.40 M.L.F.	\$38.69	\$47.93	40.0000	40	40	\$1,917.22	\$1,917.22	
Maintenance and repair lightning ground rod	1	4.00 Ea.	\$351.56	\$439.15	40.0000	40	39	\$17,565.95	\$17,126.80	
Replace lightning ground rod	25	4.00 Ea.	\$904.36	\$1,121.16	1.6000	1	1	\$1,121.16	\$1,121.16	
Maintenance and repair voice/data outlet	10	16.00 Ea.	\$820.69	\$1,024.93	4.0000	4	4	\$4,099.72	\$4,099.72	
Replace voice/data outlet	20	16.00 Ea.	\$414.59	\$504.84	2.0000	2	2	\$1,009.68	\$1,009.68	
Repair 2'-0" x 3'-0" steel frame window - 1st floor.	20	2.00 Ea.	\$289.47	\$345.22	2.0000	2	2	\$690.44	\$690.44	
Repair 2'-0" x 3'-0" steel frame window - 2nd floor.	20	2.00 Ea.	\$382.64	\$460.91	2.0000	2	2	\$921.82	\$921.82	
			\$112,305.45	\$134,379.78				MR Subtotal	\$227,085.53	
									MR Per Year	\$5,677.14
									PM Total	\$391.35
									Subtotal	\$6,068.49
									Total Per Unit	\$6,068.49

FAC 3712 RDTE RANGE FACILITY

SUC \$6,068.49

Release 2021 Qtr 3

UM EA

Zip Code Prefix 222

Design Life 40

Type PM

Average Size 1.0

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	\$23.20	\$29.01	\$0.00	\$52.21	\$63.23	\$75.41
Door, emergencyegress, swinging, annually	3.00	0.20	\$14.62	\$8.06	\$0.00	\$22.68	\$26.57	\$31.18
Hoist / winch, chain / cable, electric, annualized	1.00	1.65	\$153.56	\$58.01	\$0.00	\$211.57	\$244.33	\$284.76
						\$286.46	\$334.12	\$391.35



**FAC 3712 RDTE RANGE FACILITY**  
**Modeled Component List**  
**CostWorks Release 2021 Qtr 3**

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 2021 Qtr 3

