

FAC 3713 RDTE RANGE COMPLEX

FY24 SUC: \$35,916.38 / EA
Source: Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 3713 RDTE RANGE COMPLEX

SUC \$35,916.38

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	360.00 S.F.	\$25,980.27	\$30,040.54	2.6667	2	2	\$60,081.09	\$60,081.09
Replace metal hand rail	30	1.00 L.F.	\$60.54	\$70.37	1.3333	1	1	\$70.37	\$70.37
Refinish fire escape stair and platform	7	12.00 Flight	\$7,311.76	\$8,789.70	5.7143	5	5	\$43,948.48	\$43,948.48
Replace fire escape stair and platform	25	12.00 Flight	\$76,067.62	\$92,791.37	1.6000	1	1	\$92,791.37	\$92,791.37
Replace steel decking	30	960.00 S.F.	\$5,668.24	\$6,585.92	1.3333	1	1	\$6,585.92	\$6,585.92
Repair 8" concrete block wall, 1st floor	25	840.00 S.F.	\$21,587.31	\$26,433.74	1.6000	1	1	\$26,433.74	\$26,433.74
Point and refinish painted concrete block wall, 1st floor	25	96.00 C.S.F.	\$49,625.25	\$61,162.81	1.6000	1	1	\$61,162.81	\$61,162.81
Point and refinish painted concrete block wall, 2nd floor	25	9.60 C.S.F.	\$5,783.77	\$7,135.37	1.6000	1	1	\$7,135.37	\$7,135.37
Repair 2'-0" x 3'-0" steel frame window - 1st floor.	20	12.00 Ea.	\$1,875.76	\$2,235.26	2.0000	2	2	\$4,470.51	\$4,470.51
Repair 2'-0" x 3'-0" steel frame window - 2nd floor.	20	12.00 Ea.	\$2,476.72	\$2,981.88	2.0000	2	2	\$5,963.77	\$5,963.77
Repair window - 1st floor (2% of glass) - fixed glass block	8	104.00 S.F.	\$8,783.35	\$10,439.93	5.0000	5	5	\$52,199.65	\$52,199.65
Repair window - 2nd floor (2% of glass) - fixed glass block	8	104.00 S.F.	\$19,095.63	\$23,236.42	5.0000	5	5	\$116,182.12	\$116,182.12
Refinish steel shutter - 1st floor	5	6.00 Ea.	\$634.69	\$786.08	8.0000	8	8	\$6,288.61	\$6,288.61
Repair steel, painted, door	14	18.00 Ea.	\$12,642.02	\$15,015.47	2.8571	2	2	\$30,030.93	\$30,030.93
Replace 3'-0" x 7'-0" steel, painted, door	45	12.00 Ea.	\$11,005.31	\$12,743.11	0.8889	0	0	\$0.00	\$0.00
Debris removal by hand & visual inspection,modified bitum/thermoplstc	1	2.40 M.S.F.	\$97.25	\$118.62	40.0000	40	40	\$4,744.61	\$4,744.61
Non-destructive moisture inspection, modified bituminous/thermoplastic	5	2.40 M.S.F.	\$302.99	\$369.56	8.0000	8	8	\$2,956.51	\$2,956.51
Minor thermoplastic membrane repairs, 2% of roof area	1	1.92 Sq.	\$623.13	\$744.11	40.0000	40	40	\$29,764.45	\$29,764.45
Total roof replacement, modified bituminous / thermoplastic	25	96.00 Sq.	\$65,468.08	\$77,713.92	1.6000	1	1	\$77,713.92	\$77,713.92
Refinish concrete floor finished	25	380.00 C.S.F.	\$158,299.36	\$190,995.08	1.6000	1	1	\$190,995.08	\$190,995.08
Replace flush valve diaphragm tankless water closet	10	4.00 Ea.	\$109.06	\$135.42	4.0000	4	4	\$541.70	\$541.70
Rebuild flush valve tankless water closet	20	4.00 Ea.	\$767.52	\$925.08	2.0000	2	2	\$1,850.15	\$1,850.15
Unplug clogged line tankless water closet	5	4.00 Ea.	\$919.72	\$1,151.33	8.0000	8	8	\$9,210.61	\$9,210.61
Replace tankless water closet	35	4.00 Ea.	\$5,666.22	\$6,553.28	1.1429	1	1	\$6,553.28	\$6,553.28
Replace tankless flush valve	25	4.00 Ea.	\$1,080.97	\$1,268.87	1.6000	1	1	\$1,268.87	\$1,268.87
Replace flush valve diaphragm for a urinal	7	2.00 Ea.	\$54.53	\$67.71	5.7143	5	5	\$338.56	\$338.56
Rebuild flush valve for a urinal	20	2.00 Ea.	\$383.76	\$462.54	2.0000	2	2	\$925.08	\$925.08
Unplug line urinal	5	2.00 Ea.	\$305.28	\$382.16	8.0000	8	8	\$3,057.30	\$3,057.30
Replace washer in spud connection lavatory, vitreous china	7	2.00 Ea.	\$34.64	\$42.28	5.7143	5	5	\$211.41	\$211.41
Replace washer in faucet lavatory, vitreous china	2	2.00 Ea.	\$27.13	\$33.83	20.0000	20	20	\$676.69	\$676.69

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost	
Replace faucets lavatory, vitreous china	10	2.00 Ea.	\$390.94	\$470.24	4.0000	4	4	\$1,880.97	\$1,880.97	
Clean out strainer and P trap lavatory, vitreous china	2	2.00 Ea.	\$73.64	\$92.18	20.0000	20	20	\$1,843.63	\$1,843.63	
Replace faucet washer sink, service/utility	2	1.00 Ea.	\$13.45	\$16.77	20.0000	20	20	\$335.39	\$335.39	
Clean trap	3	1.00 Ea.	\$9.01	\$11.27	13.3333	13	13	\$146.56	\$146.56	
Replace faucets sink, service/utility	10	1.00 Ea.	\$195.47	\$235.12	4.0000	4	4	\$940.49	\$940.49	
Unstop sink	2	1.00 Ea.	\$44.01	\$55.09	20.0000	20	20	\$1,101.88	\$1,101.88	
Replace old valve, non-drain, 2"	10	12.00 Ea.	\$14,504.11	\$16,637.37	4.0000	4	4	\$66,549.46	\$66,549.46	
Replace old valve with new hose bibb	10	12.00 Ea.	\$859.42	\$1,045.92	4.0000	4	4	\$4,183.67	\$4,183.67	
Maintenance and repair infrared heater suspended, commercial	1	12.00 Ea.	\$532.40	\$667.02	40.0000	40	38	\$26,680.69	\$25,346.65	
Replace infrared heater suspended, commercial	15	12.00 Ea.	\$6,166.07	\$7,286.36	2.6667	2	2	\$14,572.71	\$14,572.71	
Maintenance and inspection lighting panel, indoor	3	6.00 Ea.	\$254.07	\$318.31	13.3333	13	13	\$4,137.99	\$4,137.99	
Replace load center, 100 A	20	6.00 Ea.	\$7,086.18	\$8,643.21	2.0000	2	2	\$17,286.42	\$17,286.42	
Maintenance and repair breaker, enclosed, 240 V, 1 pole	25	24.00 Ea.	\$1,820.17	\$2,280.41	1.6000	1	1	\$2,280.41	\$2,280.41	
Maintenance and repair breaker, enclosed, 240 V, 2 pole	25	24.00 Ea.	\$1,820.17	\$2,280.41	1.6000	1	1	\$2,280.41	\$2,280.41	
Maintenance and repair safety switch general, 2 pole	8	12.00 Ea.	\$508.13	\$636.61	5.0000	5	5	\$3,183.07	\$3,183.07	
Repair 4-pin receptacle cover	10	60.00 Ea.	\$3,642.26	\$4,505.58	4.0000	4	4	\$18,022.31	\$18,022.31	
Replace 4-pin receptacle	20	84.00 Ea.	\$12,845.80	\$15,277.16	2.0000	2	2	\$30,554.32	\$30,554.32	
Maintenance and repair wiring devices, switches	10	36.00 Ea.	\$1,585.56	\$1,979.35	4.0000	4	4	\$7,917.38	\$7,917.38	
Maintenance and repair incandescent lighting fixtures	10	108.00 Ea.	\$7,272.09	\$8,688.34	4.0000	4	4	\$34,753.34	\$34,753.34	
Replace incandescent lighting fixture lamp	5	108.00 Ea.	\$1,386.72	\$1,669.00	8.0000	8	8	\$13,352.03	\$13,352.03	
Maintenance and repair TV cable outlet	10	48.00 Ea.	\$2,607.51	\$3,256.40	4.0000	4	4	\$13,025.59	\$13,025.59	
Maintenance and repair of general wiring lightning protection system	1	2.40 M.L.F.	\$262.80	\$323.73	40.0000	40	40	\$12,949.13	\$12,949.13	
Maintenance and repair lightning ground rod	1	24.00 Ea.	\$2,214.79	\$2,767.72	40.0000	40	39	\$110,708.70	\$107,940.98	
Replace lightning ground rod	25	24.00 Ea.	\$5,894.51	\$7,288.12	1.6000	1	1	\$7,288.12	\$7,288.12	
Maintenance and repair voice/data outlet	10	96.00 Ea.	\$5,215.03	\$6,512.79	4.0000	4	4	\$26,051.17	\$26,051.17	
Replace voice/data outlet	20	96.00 Ea.	\$2,553.00	\$3,114.59	2.0000	2	2	\$6,229.17	\$6,229.17	
Repair 15 KV primary transformer, dry	15	1.00 Ea.	\$235.84	\$287.87	2.6667	2	2	\$575.75	\$575.75	
Maintenance and inspection primary transformer, dry	0.5	1.00 Ea.	\$42.34	\$53.05	80.0000	80	80	\$4,244.09	\$4,244.09	
			\$562,773.37	\$677,811.74				MR Subtotal	\$1,273,126.04	
									MR Per Year	\$31,828.15
									PM Total	\$4,088.23
									Subtotal	\$35,916.38
									Total Per Unit	\$35,916.38

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SUC \$35,916.38

Release 2023 Qtr 4

UM EA

Zip Code Prefix 222

Design Life 40

Type PM

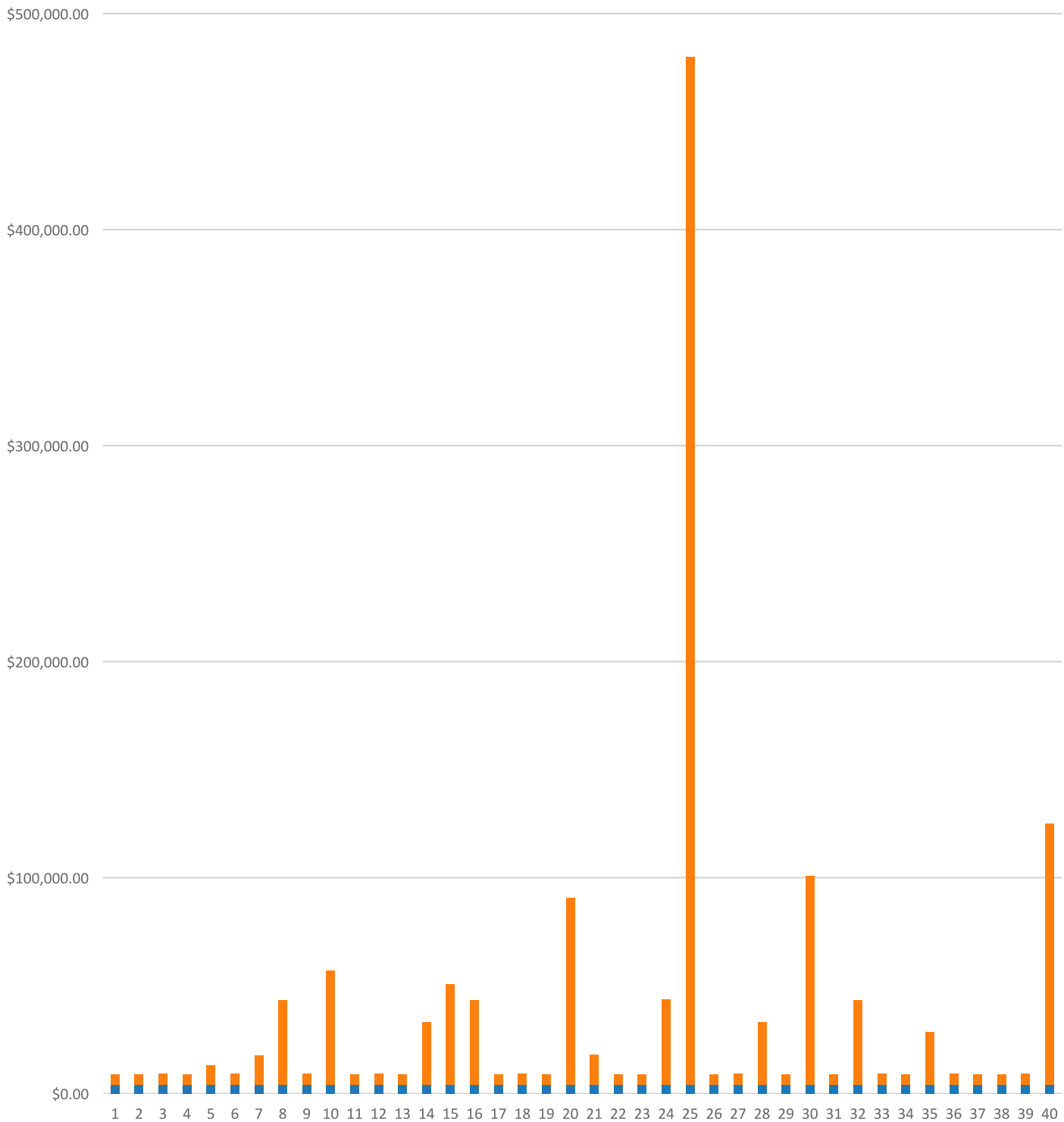
Average Size 1.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Door, emergency egress, swinging, annually	18.00	1.17	\$100.89	\$51.51	\$0.00	\$152.40	\$177.94	\$208.53
Urinals, annualized	2.00	0.46	\$13.26	\$24.33	\$0.00	\$37.59	\$46.21	\$55.50
Toilet (vacuum breaker type), annually	4.00	0.23	\$17.69	\$12.21	\$0.00	\$29.90	\$35.33	\$41.65
Lavatories, annually	2.00	0.17	\$15.58	\$10.90	\$0.00	\$26.48	\$31.31	\$36.92
Unit heater, gas radiant, annualized	12.00	12.11	\$12.39	\$648.77	\$0.00	\$661.15	\$857.02	\$1,053.51
Circuit breaker, high voltage air, annually	2.00	0.94	\$27.66	\$64.95	\$0.00	\$92.61	\$114.86	\$138.50
Transformer, dry type 500 KVA and over, annually	1.00	0.77	\$13.83	\$53.61	\$0.00	\$67.44	\$84.91	\$103.07
Panelboard, 225 A and above, annually	6.00	2.65	\$132.01	\$182.49	\$0.00	\$314.49	\$382.44	\$456.99
Hoist / winch, chain / cable, electric, annualized	6.00	9.89	\$1,124.42	\$367.54	\$0.00	\$1,491.95	\$1,714.66	\$1,993.58
						\$2,874.02	\$3,444.68	\$4,088.23

FAC 3713 RDTE RANGE COMPLEX
Modeled Component List
CostWorks Release 2023 Qtr 4

B10 Superstructure	
Railing, Metal	1.0 L.F.
Steel Decking	960.0 S.F.
B20 Exterior Enclosure	
Steel, Painted	12.0 Ea.
B30 Roofing	
Modified Bituminous / Thermoplastic	96.0 Sq.
C30 Interior Finishes	
Concrete, Finished	380.0 C.S.F.
D20 Plumbing	
Tankless Water Closet	4.0 Ea.
Valve, Non-Drain, 2"	12.0 Ea.
Hose Bibb	12.0 Ea.
D30 HVAC	
Infrared Heater Suspended, Commercial	12.0 Ea.
D50 Electrical	
Load Center, 100 A, maintenance & inspection	6.0 Ea.
Load Center, 100 A, replacement	6.0 Ea.
Lightning Ground Rod	24.0 Ea.
E10 Equipment	
Hoist/Winch, Chain/Cable, annualized	6.0 Each

FAC 3713 RDTE RANGE COMPLEX
Sustainment by Year
CostWorks Release 2023 Qtr 4



PM Cost
MR Cost