

FAC 3901 MISCELLANEOUS RDTE FACILITY

| | |
|-----------|---|
| FY24 SUC: | \$1,859.21 / EA |
| Source: | Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices |

FAC 3901 MISCELLANEOUS RDTE FACILITY

SUC \$1,859.21

Release 2023 Qtr 4
Zip Code Prefix 222
Type MR

UM EA
Design Life 40
Average Size 1.0

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 | |
|--|-----------|--------------|----------------|---------------|-----------------------|----------------------------|----------------------|-------------|----------------|------------|
| 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 | 90.00 L.F. | \$5,448.62 | \$6,333.68 | 1.3333 | 1 | 1 | \$6,333.68 | \$6,333.68 | |
| 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 | 10.00 C.S.F. | \$5,169.30 | \$6,371.13 | 1.6000 | 1 | 1 | \$6,371.13 | \$6,371.13 | |
| Repair window - 1st floor (2% of glass) - fixed glass block | 8 | 0.40 S.F. | \$33.78 | \$40.15 | 5.0000 | 5 | 5 | \$200.77 | \$200.77 | |
| 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 | 2.00 Ea. | \$1,404.67 | \$1,668.39 | 2.8571 | 2 | 2 | \$3,336.77 | \$3,336.77 | |
| 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 | 0.08 Sq. | \$25.96 | \$31.00 | 40.0000 | 40 | 40 | \$1,240.19 | \$1,240.19 | |
| Total roof replacement, modified bituminous / thermoplastic | 25 | 4.00 Sq. | \$2,727.84 | \$3,238.08 | 1.6000 | 1 | 1 | \$3,238.08 | \$3,238.08 | |
| Refinish concrete floor finished | 25 | 10.00 C.S.F. | \$4,165.77 | \$5,026.19 | 1.6000 | 1 | 1 | \$5,026.19 | \$5,026.19 | |
| 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 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 | 2.00 Ea. | \$121.41 | \$150.19 | 4.0000 | 4 | 4 | \$600.74 | \$600.74 | |
| Maintenance and repair wiring devices, switches | 10 | 2.00 Ea. | \$88.09 | \$109.96 | 4.0000 | 4 | 4 | \$439.85 | \$439.85 | |
| Maintenance and repair incandescent lighting fixtures | 10 | 12.00 Ea. | \$808.01 | \$965.37 | 4.0000 | 4 | 4 | \$3,861.48 | \$3,861.48 | |
| Replace incandescent lighting fixture lamp | 5 | 12.00 Ea. | \$154.08 | \$185.44 | 8.0000 | 8 | 8 | \$1,483.56 | \$1,483.56 | |
| Maintenance and repair TV cable outlet | 10 | 4.00 Ea. | \$217.29 | \$271.37 | 4.0000 | 4 | 4 | \$1,085.47 | \$1,085.47 | |
| Maintenance and repair of general wiring lightning protection system | 1 | 0.20 M.L.F. | \$21.90 | \$26.98 | 40.0000 | 40 | 40 | \$1,079.09 | \$1,079.09 | |
| Maintenance and repair lightning ground rod | 1 | 1.00 Ea. | \$92.28 | \$115.32 | 40.0000 | 40 | 39 | \$4,612.86 | \$4,497.54 | |
| Replace lightning ground rod | 25 | 1.00 Ea. | \$245.60 | \$303.67 | 1.6000 | 1 | 1 | \$303.67 | \$303.67 | |
| Maintenance and repair voice/data outlet | 10 | 8.00 Ea. | \$434.59 | \$542.73 | 4.0000 | 4 | 4 | \$2,170.93 | \$2,170.93 | |
| Replace voice/data outlet | 20 | 8.00 Ea. | \$212.75 | \$259.55 | 2.0000 | 2 | 2 | \$519.10 | \$519.10 | |
| | | | \$33,951.86 | \$40,441.12 | | | | MR Subtotal | \$70,858.36 | |
| | | | | | | | | | MR Per Year | \$1,771.46 |
| | | | | | | | | | PM Total | \$87.75 |
| | | | | | | | | | Subtotal | \$1,859.21 |
| | | | | | | | | | Total Per Unit | \$1,859.21 |

FAC 3901 MISCELLANEOUS RDTE FACILITY SUC \$1,859.21

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 |
|---|------|-------------|----------|------------|------------|------------|----------------|---------------|
| 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 | 1.00 | 0.07 | \$5.61 | \$2.86 | \$0.00 | \$8.47 | \$9.89 | \$11.58 |
| | | | | | | \$60.88 | \$73.63 | \$87.75 |

FAC 3901 MISCELLANEOUS RDTE FACILITY

Modeled Component List

CostWorks Release 2023 Qtr 4

| | | |
|-------------------------------------|-------------|--|
| B10 Superstructure | | |
| Railing, Metal | 90.0 L.F. | |
| B20 Exterior Enclosure | | |
| Steel, Painted | 2.0 Ea. | |
| B30 Roofing | | |
| Modified Bituminous / Thermoplastic | 4.0 Sq. | |
| C30 Interior Finishes | | |
| Concrete, Finished | 10.0 C.S.F. | |
| D20 Plumbing | | |
| Valve, Non-Drain, 2" | 2.0 Ea. | |
| Hose Bibb | 2.0 Ea. | |
| D50 Electrical | | |
| Lightning Ground Rod | 1.0 Ea. | |

FAC 3901 MISCELLANEOUS RDTE FACILITY
Sustainment by Year
CostWorks Release 2023 Qtr 4

