

**FAC 4426 STORAGE SILO, LOOSE MATERIAL**

|           |   |
|-----------|---|
| FY24 SUC: | \$1.14 / SF   |
| Source:   | Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices |

FAC 4426 STORAGE SILO, LOOSE MATERIAL

SUC \$1.14

Release 2023 Qtr 4

UM SF

Zip Code Prefix 222

Design Life 36

Type MR

Average Size 2591.316666

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  |            |
|---|-----------|--------------|----------------|---------------|-----------------------|----------------------------|----------------------|-------------|----------------|------------|
| Point and refinish painted concrete block wall, 1st floor                 | 25        | 18.00 C.S.F. | \$9,304.73     | \$11,468.03   | 1.4400                | 1                          | 1                    | \$11,468.03 | \$11,468.03    |            |
| Repair steel, painted, door   | 14        | 1.80 Ea.     | \$1,264.20     | \$1,501.55    | 2.5714                | 2                          | 2                    | \$3,003.09  | \$3,003.09     |            |
| Refinish 3'-0" x 7'-0" steel, painted, door                               | 4         | 1.80 Ea.     | \$82.90        | \$101.51      | 9.0000                | 9                          | 9                    | \$913.62    | \$913.62       |            |
| Replace 3'-0" x 7'-0" steel, painted, door                                | 45        | 1.80 Ea.     | \$1,650.80     | \$1,911.47    | 0.8000                | 0                          | 0                    | \$0.00      | \$0.00         |            |
| Repair 12' x 12' steel roll-up door                                       | 10        | 0.90 Ea.     | \$631.00       | \$749.90      | 3.6000                | 3                          | 3                    | \$2,249.70  | \$2,249.70     |            |
| Refinish 12' x 12' steel roll-up door                                     | 5         | 0.90 Ea.     | \$207.33       | \$252.86      | 7.2000                | 7                          | 7                    | \$1,769.99  | \$1,769.99     |            |
| Debris removal and visual inspection, corrugated fiberglass panel roof    | 5         | 1.98 M.S.F.  | \$48.59        | \$59.27       | 7.2000                | 7                          | 7                    | \$414.87    | \$414.87       |            |
| Minor fiberglass roof panel replacement, 25% of roof area, corrugated     | 15        | 584.00 S.F.  | \$8,104.45     | \$9,625.75    | 2.4000                | 2                          | 2                    | \$19,251.50 | \$19,251.50    |            |
| Total roof replacement fiberglass rigid, corrugated fiberglass panel roof | 20        | 24.00 Sq.    | \$26,918.96    | \$31,772.35   | 1.8000                | 1                          | 1                    | \$31,772.35 | \$31,772.35    |            |
| Replace roof hatch and structure single unit                              | 40        | 2.00 Ea.     | \$3,269.65     | \$3,767.39    | 0.9000                | 0                          | 0                    | \$0.00      | \$0.00         |            |
| Replace galvanized roof hatch and structure single unit                   | 40        | 2.00 Ea.     | \$4,103.72     | \$4,715.20    | 0.9000                | 0                          | 0                    | \$0.00      | \$0.00         |            |
| Repair 8" concrete block wall - (2% of walls) painted                     | 25        | 0.18 C.S.F.  | \$206.08       | \$247.88      | 1.4400                | 1                          | 1                    | \$247.88    | \$247.88       |            |
| Repair smoke detector   | 10        | 4.50 Ea.     | \$261.05       | \$323.25      | 3.6000                | 3                          | 2                    | \$969.74    | \$646.49       |            |
| Check operation smoke detector  | 1         | 6.00 Ea.     | \$102.01       | \$127.80      | 36.0000               | 36                         | 36                   | \$4,600.72  | \$4,600.72     |            |
| Replace smoke detector  | 15        | 4.50 Ea.     | \$1,361.49     | \$1,625.48    | 2.4000                | 2                          | 2                    | \$3,250.97  | \$3,250.97     |            |
| Check and repair manual pull station                                      | 10        | 0.90 Ea.     | \$80.90        | \$99.67       | 3.6000                | 3                          | 2                    | \$299.02    | \$199.34       |            |
| Replace manual pull station   | 15        | 0.90 Ea.     | \$187.88       | \$226.59      | 2.4000                | 2                          | 2                    | \$453.17    | \$453.17       |            |
| Replace fire alarm bell, 6"   | 20        | 0.90 Ea.     | \$162.55       | \$197.79      | 1.8000                | 1                          | 1                    | \$197.79    | \$197.79       |            |
| Replace metal halide fixture lamp, 400 W                                  | 5         | 4.00 Ea.     | \$259.51       | \$313.40      | 7.2000                | 7                          | 7                    | \$2,193.78  | \$2,193.78     |            |
| Replace metal halide fixture, 400 W                                       | 20        | 6.00 Ea.     | \$4,582.23     | \$5,478.51    | 1.8000                | 1                          | 1                    | \$5,478.51  | \$5,478.51     |            |
|   |           |              | \$62,790.02    | \$74,565.63   |                       |                            |                      | MR Subtotal | \$88,111.81    |            |
|   |           |              |                |               |                       |                            |                      |             | MR Per Year    | \$2,447.55 |
|   |           |              |                |               |                       |                            |                      |             | PM Total       | \$498.23   |
|   |           |              |                |               |                       |                            |                      |             | Subtotal       | \$2,945.78 |
|   |           |              |                |               |                       |                            |                      |             | Total Per Unit | \$1.14     |

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Release 2023 Qtr 4UM SF

Zip Code Prefix 222Design Life 36

Type PMAverage Size 2591.316666

| Description   | Qty  | Labor Hours | Bare Mat | Bare Labor | Bare Equip | Bare Total | Total In-House | Total Incl OP |
|---|------|-------------|----------|------------|------------|------------|----------------|---------------|
| Door, emergency egress, swinging, annualized                          | 1.00 | 0.26        | \$16.76  | \$11.48    | \$0.00     | \$28.25    | \$33.37        | \$39.33       |
| Door, overhead, electric, roll up, to 24' high x 25' wide, annualized | 1.00 | 4.07        | \$43.08  | \$179.97   | \$0.00     | \$223.04   | \$281.34       | \$341.79      |
| Fan, axial, up to 5,000 CFM, annualized                               | 1.00 | 1.24        | \$8.30   | \$66.71    | \$0.00     | \$75.01    | \$95.85        | \$117.11      |
|   |      |             |          |            |            | \$326.30   | \$410.56       | \$498.23      |



## **FAC 4426 STORAGE SILO, LOOSE MATERIAL**

### **Modeled Component List**

#### **CostWorks Release 2023 Qtr 4**

|                                 |  |          |
|---------------------------------|--|----------|
| B20 Exterior Enclosure          |  |          |
| Steel, Painted                  |  | 1.8 Ea.  |
| B30 Roofing                     |  |          |
| Fiberglass Rigid, Steep Roofing |  | 24.0 Sq. |
| Aluminum Roof Hatch             |  | 2.0 Ea.  |
| Galvanized Roof Hatch           |  | 2.0 Ea.  |
| D50 Electrical                  |  |          |
| Smoke Detector                  |  | 4.5 Ea.  |
| Manual Pull Station             |  | 0.9 Ea.  |
| Fire Alarm Bell                 |  | 0.9 Ea.  |
| Fixture 400 W                   |  | 6.0 Ea.  |

FAC 4426 STORAGE SILO, LOOSE MATERIAL  
Sustainment by Year  
CostWorks Release 2023 Qtr 4

