

**FAC 2142    Vehicle Maintenance Shop, Depot**

RUC:            \$198.00 SF

Source:        Tri-Service FAC 2142 from *Tri-Service Facility Unit Costs for Military Construction* version prepared November 13, 2009

SUC:            \$1.95 SF

Source:        Cost Works model in \$FY-08, inflated to \$FY-09 using Green Book Table 5-6 (O&M less DHP)  
In V12, values were inflated only.

Model follows:

Chart:         A chart showing relative annual sustainment requirements follows:

**FAC 2142 Vehicle Maintenance Shop, Depot**  
**CostWorks 2008 Quarter 2**

Design Life= 50  
Average S.F= 22,831

C.S.F.=100 S.F; MSF=1000 S.F  
Sq=100 S.F; M.L.F=1000 L.F

This spreadsheet was exported  
from R.S. Means CostWorks

Terminal Cutoff is the removal of a single task occurrence if that task occurs within 10% of the end of the design life and if the frequency of the task exceeds 20% of the design life. This prevents scheduling major work near the end of the design life.

| Description  | Frequency | Crew   | Qty     | Unit   | Total In-House | Total Incl. O&P | Release    | Occurrences In Design Life | Adjusted Occurrences | Terminal Cutoff |
|--|-----------|--------|---------|--------|----------------|-----------------|------------|----------------------------|----------------------|-----------------|
| Point & refinish block wall - 1st floor                              | 25        | 1 Bric | 63.300  | C.S.F. | 27,187.35      | 33,390.75       | 2008 Qtr 2 | 2                          | 1                    | \$ 33,390.75    |
| Replace aluminum siding - 2nd floor                                  | 35        | 1 Carp | 50.400  | C.S.F. | 31,096.80      | 37,598.40       | 2008 Qtr 2 | 1                          | 1                    | \$ 37,598.40    |
| Refinish aluminum siding - 2nd floor                                 | 20        | 1 Pord | 50.400  | C.S.F. | 13,608.00      | 16,707.60       | 2008 Qtr 2 | 2                          | 2                    | \$ 33,415.20    |
| Replace glass - 2nd floor (1% of glass)                              | 1         | 1 Carp | 3.300   | S.F.   | 187.90         | 229.68          | 2008 Qtr 2 | 50                         | 50                   | \$ 11,484.00    |
| Repair 3'-9" x 5'-5" steel frame window - 2nd flr.                   | 20        | 1 Carp | 1.700   | Ea.    | 522.50         | 618.46          | 2008 Qtr 2 | 2                          | 2                    | \$ 1,236.92     |
| Refinish 3'-9" x 5'-5" steel frame window - 2nd flr.                 | 12        | 1 Pord | 17.000  | Ea.    | 2,448.00       | 3,017.50        | 2008 Qtr 2 | 4                          | 3                    | \$ 9,052.50     |
| Replace 3'-9" x 5'-5" steel frame window - 2nd flr.                  | 45        | 1 Carp | 17.000  | Ea.    | 25,636.00      | 29,639.50       | 2008 Qtr 2 | 1                          | 1                    | \$ 29,639.50    |
| Finish new 3'-9" x 5'-5" st. fr. window - 2nd flr.                   | 45        | 1 Pord | 17.000  | Ea.    | 2,273.75       | 2,800.75        | 2008 Qtr 2 | 1                          | 1                    | \$ 2,800.75     |
| Refinish 12' x 24' steel double roll-up door                         | 12        | 1 Pord | 7.000   | Ea.    | 2,656.50       | 3,241.00        | 2008 Qtr 2 | 4                          | 3                    | \$ 9,723.00     |
| Replace 12' x 24' steel double roll-up door                          | 35        | 2 Carp | 7.000   | Ea.    | 46,795.00      | 54,495.00       | 2008 Qtr 2 | 1                          | 1                    | \$ 54,495.00    |
| Repair steel, painted, door  | 14        | 1 Carp | 1.200   | Ea.    | 717.14         | 849.08          | 2008 Qtr 2 | 3                          | 3                    | \$ 2,547.25     |
| Refinish 3'-0" x 7'-0" steel, painted, door                          | 12        | 1 Pord | 12.000  | Ea.    | 450.00         | 552.00          | 2008 Qtr 2 | 4                          | 3                    | \$ 1,656.00     |
| Replace 3'-0" x 7'-0" steel, painted, door                           | 45        | 1 Carp | 12.000  | Ea.    | 6,258.00       | 7,326.00        | 2008 Qtr 2 | 1                          | 1                    | \$ 7,326.00     |
| Debris removal by hand & visual inspection metal steep roofing       | 1         | 2 Rofc | 17.200  | M.S.F. | 361.72         | 436.02          | 2008 Qtr 2 | 50                         | 50                   | \$ 21,801.00    |
| Minor finish repairs - (2% of roof area) metal steep roofing         | 5         | 2 Rofc | 344.800 | S.F.   | 1,051.64       | 1,251.62        | 2008 Qtr 2 | 10                         | 10                   | \$ 12,516.24    |
| Flashing replacement - (2 S.F. per sq. repaired) metal steep roofing | 5         | 2 Rofc | 6.800   | S.F.   | 113.63         | 136.54          | 2008 Qtr 2 | 10                         | 10                   | \$ 1,365.44     |
| Minor replacement - (2.5% of roof area) metal steep roofing          | 20        | 2 Rofc | 431.000 | S.F.   | 4,150.53       | 4,947.88        | 2008 Qtr 2 | 2                          | 2                    | \$ 9,895.76     |
| Total metal panel replacement metal steep roofing                    | 30        | 2 Rofc | 0       | Sq.    | 0.00           | 0.00            | 2008 Qtr 2 | 1                          | 1                    | \$ -            |
| Repair steel painted interior door                                   | 14        | 1 Carp | 1.900   | Ea.    | 325.13         | 385.97          | 2008 Qtr 2 | 3                          | 3                    | \$ 1,157.90     |
| Refinish 3'-0" x 7'-0" steel painted interior door                   | 12        | 1 Pord | 19.000  | Ea.    | 1,071.60       | 1,320.50        | 2008 Qtr 2 | 4                          | 3                    | \$ 3,961.50     |
| Replace 3'-0" x 7'-0" steel painted interior door                    | 60        | 1 Carp | 19.000  | Ea.    | 17,423.95      | 20,339.50       | 2008 Qtr 2 | 0                          | 0                    | \$ -            |
| Repair fully glazed wood door  | 10        | 1 Carp | 3.000   | Ea.    | 513.36         | 609.42          | 2008 Qtr 2 | 5                          | 5                    | \$ 3,047.10     |
| Refinish 3'-0" x 7'-0" fully glazed wood door                        | 12        | 1 Pord | 3.000   | Ea.    | 238.20         | 294.00          | 2008 Qtr 2 | 4                          | 3                    | \$ 882.00       |
| Replace 3'-0" x 7'-0" fully glazed wood door                         | 40        | 1 Carp | 3.000   | Ea.    | 2,880.15       | 3,385.50        | 2008 Qtr 2 | 1                          | 1                    | \$ 3,385.50     |
| Repair concrete steps  | 15        | 1 Cefi | 12.200  | S.F.   | 201.30         | 235.46          | 2008 Qtr 2 | 3                          | 3                    | \$ 706.38       |
| Replace concrete steps   | 100       | 2 Cefi | 122.000 | S.F.   | 6,771.00       | 8,235.00        | 2008 Qtr 2 | 0                          | 0                    | \$ -            |
| Refinish metal stair railing interior                                | 12        | 1 Pord | 42.000  | S.F.   | 65.94          | 81.48           | 2008 Qtr 2 | 4                          | 3                    | \$ 244.44       |
| Replace metal stair railing interior                                 | 45        | 2 Sswk | 42.000  | L.F.   | 1,556.10       | 1,801.80        | 2008 Qtr 2 | 1                          | 1                    | \$ 1,801.80     |
| Repair 8" concrete block wall - (2% of walls) painted                | 25        | 1 Bric | 2.300   | C.S.F. | 2,509.30       | 3,024.50        | 2008 Qtr 2 | 2                          | 1                    | \$ 3,024.50     |
| Refinish concrete block wall painted                                 | 12        | 1 Pord | 117.300 | C.S.F. | 12,551.10      | 15,307.65       | 2008 Qtr 2 | 4                          | 3                    | \$ 45,922.95    |
| Replace 8" concrete block wall painted                               | 75        | 2 Bric | 117.300 | C.S.F. | 137,006.40     | 165,393.00      | 2008 Qtr 2 | 0                          | 0                    | \$ -            |
| Refinish concrete floor finished                                     | 25        | 2 Cefi | 222.200 | C.S.F. | 85,547.00      | 103,323.00      | 2008 Qtr 2 | 2                          | 1                    | \$ 103,323.00   |
| Acoustic tile repairs - (2% of ceilings)                             | 9         | 1 Carp | 1.000   | C.S.F. | 459.50         | 550.00          | 2008 Qtr 2 | 5                          | 5                    | \$ 2,750.00     |
| Replace acoustic tile ceiling, fire-rated                            | 20        | 1 Carp | 51.700  | C.S.F. | 21,558.90      | 25,746.60       | 2008 Qtr 2 | 2                          | 2                    | \$ 51,493.20    |
| Check / minor repairs drinking fountain                              | 1         | 1 Plum | 2.000   | Ea.    | 77.00          | 97.00           | 2008 Qtr 2 | 50                         | 50                   | \$ 4,850.00     |
| Repair internal leaks drinking fountain                              | 4         | 1 Plum | 2.000   | Ea.    | 72.00          | 89.00           | 2008 Qtr 2 | 12                         | 12                   | \$ 1,068.00     |
| Correct water pressure drinking fountain                             | 2         | 1 Plum | 2.000   | Ea.    | 66.00          | 83.00           | 2008 Qtr 2 | 25                         | 25                   | \$ 2,075.00     |
| Replace refrigerant drinking fountain                                | 2         | 1 Plum | 2.000   | Ea.    | 31.80          | 37.90           | 2008 Qtr 2 | 25                         | 25                   | \$ 947.50       |
| Repair drain leak drinking fountain                                  | 4         | 1 Plum | 2.      | Ea.    | 45.64          | 54.54           | 2008 Qtr 2 | 12                         | 12                   | \$ 654.48       |

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**CostWorks 2008 Quarter 2**

| Description  | Design Life= 50     | C.S.F.=100 S.F; MSF=1000 S.F | This spreadsheet was exported from |        | Terminal Cutoff is the removal of a single task occurrence if that task occurs within |                      |         |                               |                         |                 |
|--|---------------------|------------------------------|------------------------------------|--------|---|----------------------|---------|-------------------------------|-------------------------|-----------------|
|  | Average S.F= 22,831 | Sq=100 S.F; M.L.F=1000 L.F   | R.S. Means CostWorks               |        | 10% of the end of the design life and if the frequency of the task exceeds 20% of the |                      |         |                               |                         |                 |
|  |                     |                              |                                    |        | design life. This prevents scheduling major work near the end of the design life.     |                      |         |                               |                         |                 |
|  | Frequency           | Crew                         | Qty                                | Unit   | Total In-House  | Total Incl. O&P      | Release | Occurrences In<br>Design Life | Adjusted<br>Occurrences | Terminal Cutoff |
| Replace fountain drinking fountain                           | 10                  | 2 Plum                       | 2.000                              | Ea.    | 2,012.00  | 2,390.00 2008 Qtr 2  |         | 5                             | 5 \$                    | 11,950.00       |
| Inspect and clean spray heads, emergency eye wash            | 3                   | 1 Plum                       | 2.000                              | Ea.    | 77.46   | 97.22 2008 Qtr 2     |         | 16                            | 16 \$                   | 1,555.52        |
| Replace eye wash station, emergency eye wash                 | 25                  | 2 Plum                       | 2.000                              | Ea.    | 1,162.00  | 1,410.00 2008 Qtr 2  |         | 2                             | 1 \$                    | 1,410.00        |
| Replace washer in spud connection lavatory, vitreous china   | 7                   | 1 Plum                       | 7.000                              | Ea.    | 168.07  | 198.45 2008 Qtr 2    |         | 7                             | 7 \$                    | 1,389.15        |
| Replace washer in faucet lavatory, vitreous china            | 2                   | 1 Plum                       | 7.000                              | Ea.    | 70.56   | 88.06 2008 Qtr 2     |         | 25                            | 25 \$                   | 2,201.50        |
| Replace faucets lavatory, vitreous china                     | 10                  | 1 Plum                       | 7.000                              | Ea.    | 874.16  | 1,055.95 2008 Qtr 2  |         | 5                             | 5 \$                    | 5,279.75        |
| Clean out strainer and P trap lavatory, vitreous china       | 2                   | 1 Plum                       | 7.000                              | Ea.    | 193.90  | 240.80 2008 Qtr 2    |         | 25                            | 25 \$                   | 6,020.00        |
| Replace lavatory, vitreous china                             | 35                  | 2 Plum                       | 7.000                              | Ea.    | 3,736.46  | 4,484.20 2008 Qtr 2  |         | 1                             | 1 \$                    | 4,484.20        |
| Replace faucet washer sink, iron enamel                      | 2                   | 1 Plum                       | 2.000                              | Ea.    | 20.04   | 24.94 2008 Qtr 2     |         | 25                            | 25 \$                   | 623.50          |
| Clean trap sink, iron enamel                                 | 3                   | 1 Plum                       | 2.000                              | Ea.    | 13.52   | 16.90 2008 Qtr 2     |         | 16                            | 16 \$                   | 270.40          |
| Replace faucets sink, iron enamel                            | 10                  | 1 Plum                       | 2.000                              | Ea.    | 249.76  | 301.70 2008 Qtr 2    |         | 5                             | 5 \$                    | 1,508.50        |
| Unstop sink sink, iron enamel                                | 2                   | 1 Plum                       | 2.000                              | Ea.    | 66.00   | 83.00 2008 Qtr 2     |         | 25                            | 25 \$                   | 2,075.00        |
| Replace sink, P.E.C.I. sink, iron enamel                     | 35                  | 2 Plum                       | 2.000                              | Ea.    | 1,110.00  | 1,322.00 2008 Qtr 2  |         | 1                             | 1 \$                    | 1,322.00        |
| Inspect / clean shower head fiberglass                       | 3                   | 1 Plum                       | 2.000                              | Ea.    | 77.46   | 97.22 2008 Qtr 2     |         | 16                            | 16 \$                   | 1,555.52        |
| Replace mixing valve barrel shower, fiberglass               | 2                   | 1 Plum                       | 2.000                              | Ea.    | 297.76  | 354.70 2008 Qtr 2    |         | 25                            | 25 \$                   | 8,867.50        |
| Replace mixing valve shower, fiberglass                      | 10                  | 1 Plum                       | 2.000                              | Ea.    | 552.76  | 662.70 2008 Qtr 2    |         | 5                             | 5 \$                    | 3,313.50        |
| Replace shower and fittings, fiberglass                      | 20                  | 2 Plum                       | 2.000                              | Ea.    | 1,954.00  | 2,306.00 2008 Qtr 2  |         | 2                             | 2 \$                    | 4,612.00        |
| Replace flush valve diaphragm tankless water closet          | 10                  | 1 Plum                       | 7.000                              | Ea.    | 492.52  | 578.83 2008 Qtr 2    |         | 5                             | 5 \$                    | 2,894.15        |
| Rebuild flush valve tankless water closet                    | 20                  | 1 Plum                       | 7.000                              | Ea.    | 933.03  | 1,132.18 2008 Qtr 2  |         | 2                             | 2 \$                    | 2,264.36        |
| Unplug clogged line tankless water closet                    | 5                   | 1 Plum                       | 7.000                              | Ea.    | 1,206.80  | 1,507.45 2008 Qtr 2  |         | 10                            | 10 \$                   | 15,074.50       |
| Replace tankless water closet                                | 35                  | 2 Plum                       | 7.000                              | Ea.    | 3,826.20  | 4,531.80 2008 Qtr 2  |         | 1                             | 1 \$                    | 4,531.80        |
| Replace tankless flush valve                                 | 25                  | 1 Plum                       | 7.000                              | Ea.    | 1,461.53  | 1,713.18 2008 Qtr 2  |         | 2                             | 1 \$                    | 1,713.18        |
| Replace wax ring gasket tankless water closet                | 5                   | 1 Plum                       | 7.000                              | Ea.    | 785.40  | 983.50 2008 Qtr 2    |         | 10                            | 10 \$                   | 9,835.00        |
| Replace flush valve diaphragm urinal                         | 7                   | 1 Plum                       | 3.000                              | Ea.    | 211.08  | 248.07 2008 Qtr 2    |         | 7                             | 7 \$                    | 1,736.49        |
| Rebuild flush valve urinal                                   | 20                  | 1 Plum                       | 3.000                              | Ea.    | 399.87  | 485.22 2008 Qtr 2    |         | 2                             | 2 \$                    | 970.44          |
| Unplug line urinal   | 5                   | 1 Plum                       | 3.000                              | Ea.    | 344.70  | 430.05 2008 Qtr 2    |         | 10                            | 10 \$                   | 4,300.50        |
| Replace wall-hung urinal                                     | 35                  | 2 Plum                       | 3.000                              | Ea.    | 2,541.00  | 3,041.70 2008 Qtr 2  |         | 1                             | 1 \$                    | 3,041.70        |
| Replace pipe and fittings, copper 3/4"                       | 20                  | 2 Plum                       | 16.000                             | L.F.   | 286.88  | 348.00 2008 Qtr 2    |         | 2                             | 2 \$                    | 696.00          |
| Replace pipe and fittings, copper 2"                         | 25                  | 2 Plum                       | 16.000                             | L.F.   | 656.80  | 791.20 2008 Qtr 2    |         | 2                             | 1 \$                    | 791.20          |
| Repair damaged pipe insulation, fiberglass 3/4"              | 5                   | Q14                          | 2.000                              | Ea.    | 32.04   | 39.10 2008 Qtr 2     |         | 10                            | 10 \$                   | 391.00          |
| Repair damaged pipe insulation, fiberglass 2"                | 5                   | Q14                          | 2.000                              | Ea.    | 37.60   | 45.90 2008 Qtr 2     |         | 10                            | 10 \$                   | 459.00          |
| Replace pipe insulation, fiberglass 3/4"                     | 5                   | Q14                          | 0.010                              | M.L.F. | 64.00   | 78.00 2008 Qtr 2     |         | 10                            | 10 \$                   | 780.00          |
| Replace pipe insulation, fiberglass 2"                       | 5                   | Q14                          | 0.010                              | M.L.F. | 75.50   | 92.25 2008 Qtr 2     |         | 10                            | 10 \$                   | 922.50          |
| Minor repairs, adjustments water heater, gas / oil, 1150 GPH | 2                   | 2 Plum                       | 1.000                              | Ea.    | 77.50   | 96.50 2008 Qtr 2     |         | 25                            | 25 \$                   | 2,412.50        |
| Clean & service water heater, gas / oil, 1150 GPH            | 2                   | 2 Plum                       | 1.000                              | Ea.    | 465.00  | 580.00 2008 Qtr 2    |         | 25                            | 25 \$                   | 14,500.00       |
| Replace water heater, gas / oil, 1150 GPH                    | 20                  | 2 Plum                       | 1.000                              | Ea.    | 25,850.00   | 29,900.00 2008 Qtr 2 |         | 2                             | 2 \$                    | 59,800.00       |
| Unclog floor drain, PVC                                      | 20                  | 1 Plum                       | 1.000                              | Ea.    | 38.00   | 47.00 2008 Qtr 2     |         | 2                             | 2 \$                    | 94.00           |
| Repair joint pipe and fittings, PVC                          | 10                  | 1 Plum                       | 2.000                              | Ea.    | 237.00  | 294.70 2008 Qtr 2    |         | 5                             | 5 \$                    | 1,473.50        |
| Replace pipe, 4" pipe and fittings, PVC                      | 30                  | 2 Plum                       | 400.000                            | L.F.   | 24,140.00   | 29,860.00 2008 Qtr 2 |         | 1                             | 1 \$                    | 29,860.00       |

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|--|--|---|--|------|---|----------------------|---------|-------------------------------|-------------------------|-----------------|
| Description  | Frequency                              | Crew  | Qty  | Unit | Total In-House  | Total Incl. O&P      | Release | Occurrences In<br>Design Life | Adjusted<br>Occurrences | Terminal Cutoff |
| General maintenance & repair drain: roof, scupper, area                | 1                                      | 1 Plum  | 6.000  | Ea.  | 174.30  | 219.30 2008 Qtr 2    |         | 50                            | 50                      | \$ 10,965.00    |
| Replace drain: roof, scupper, area                                     | 40                                     | 1 Plum  | 6.000  | Ea.  | 2,382.00  | 2,802.00 2008 Qtr 2  |         | 1                             | 1                       | \$ 2,802.00     |
| Replace pipe and fittings, oxygen                                      | 25                                     | 2 Plum  | 200.000  | L.F. | 3,566.00  | 4,330.00 2008 Qtr 2  |         | 2                             | 1                       | \$ 4,330.00     |
| Replace roof mounted exhaust fan, 8500 CFM exhaust fan                 | 20                                     | Q20   | 5.000  | Ea.  | 13,025.00   | 15,180.00 2008 Qtr 2 |         | 2                             | 2                       | \$ 30,360.00    |
| Repair single zone rooftop unit, 60 ton                                | 10                                     | Q6  | 1.000  | Ea.  | 39,690.50   | 47,021.50 2008 Qtr 2 |         | 5                             | 5                       | \$ 235,107.50   |
| Replace single zone rooftop unit, 60 ton                               | 15                                     | Q7  | 1.000  | Ea.  | 70,500.00   | 82,600.00 2008 Qtr 2 |         | 3                             | 3                       | \$ 247,800.00   |
| Minor repairs to fire alarm control panel                              | 5                                      | 1 Elec  | 1.000  | Ea.  | 105.45  | 128.10 2008 Qtr 2    |         | 10                            | 10                      | \$ 1,281.00     |
| Maintenance and inspection fire alarm control panel                    | 0.5                                    | 1 Elec  | 1.000  | Ea.  | 30.00   | 37.50 2008 Qtr 2     |         | 100                           | 100                     | \$ 3,750.00     |
| Replace fire alarm control panel                                       | 15                                     | 1 Elec  | 1.000  | Ea.  | 2,546.68  | 3,027.10 2008 Qtr 2  |         | 3                             | 3                       | \$ 9,081.30     |
| Inspect sprinkler system   | 1                                      | 1 Plum  | 1.000  | Ea.  | 27.20   | 33.70 2008 Qtr 2     |         | 50                            | 50                      | \$ 1,685.00     |
| Replace sprinkler head   | 20                                     | 1 Plum  | 70.000   | Ea.  | 4,543.00  | 5,600.00 2008 Qtr 2  |         | 2                             | 2                       | \$ 11,200.00    |
| Replace fire alarm bell, 6"  | 20                                     | 1 Elec  | 6.000  | Ea.  | 833.52  | 1,005.12 2008 Qtr 2  |         | 2                             | 2                       | \$ 2,010.24     |
| Maintenance and inspection lighting panel, indoor                      | 3                                      | 1 Elec  | 2.000  | Ea.  | 56.00   | 70.00 2008 Qtr 2     |         | 16                            | 16                      | \$ 1,120.00     |
| Maintenance and repair safety switch, 3 pole safety switch, heavy duty | 8                                      | 1 Elec  | 3.000  | Ea.  | 84.00   | 105.00 2008 Qtr 2    |         | 6                             | 6                       | \$ 630.00       |
| Maintenance and inspection safety switch, 3 pole, heavy duty           | 1                                      | 1 Elec  | 3.000  | Ea.  | 84.00   | 105.00 2008 Qtr 2    |         | 50                            | 50                      | \$ 5,250.00     |
| Replace safety switch, heavy duty                                      | 25                                     | 2 Elec  | 3.000  | Ea.  | 1,695.09  | 1,988.34 2008 Qtr 2  |         | 2                             | 1                       | \$ 1,988.34     |
| Maintenance and repair motor starter, up to 600 V                      | 5                                      | 1 Elec  | 10.000   | Ea.  | 1,670.00  | 2,030.00 2008 Qtr 2  |         | 10                            | 10                      | \$ 20,300.00    |
| Maintenance and inspection motor starter, up to 600 V                  | 0.5                                    | 1 Elec  | 10.000   | Ea.  | 375.00  | 470.00 2008 Qtr 2    |         | 100                           | 100                     | \$ 47,000.00    |
| Replace starter motor starter, up to 600 V                             | 18                                     | 1 Elec  | 10.000   | Ea.  | 5,149.80  | 6,148.80 2008 Qtr 2  |         | 2                             | 2                       | \$ 12,297.60    |
| Replace fluor. ballast for fluorescent lighting fixture, 80 W          | 10                                     | 1 Elec  | 366.000  | Ea.  | 35,586.18   | 42,924.48 2008 Qtr 2 |         | 5                             | 5                       | \$ 214,622.40   |
| Replace lamps (2 lamps) fluorescent lighting fixture, 80 W             | 10                                     | 1 Elec  | 366.000  | Ea.  | 9,106.08  | 11,163.00 2008 Qtr 2 |         | 5                             | 5                       | \$ 55,815.00    |
| Replace fixture fluorescent lighting fixture, 80 W                     | 20                                     | 1 Elec  | 0  | Ea.  | 0.00  | 0.00 2008 Qtr 2      |         | 2                             | 2                       | \$ -            |
| Replace M.H. ballast mercury halide fixture, 175 W                     | 10                                     | 1 Elec  | 62.000   | Ea.  | 11,515.26   | 13,502.36 2008 Qtr 2 |         | 5                             | 5                       | \$ 67,511.80    |
| Replace lamp mercury halide fixture, 175 W                             | 5                                      | 1 Elec  | 62.000   | Ea.  | 4,464.00  | 5,279.30 2008 Qtr 2  |         | 10                            | 10                      | \$ 52,793.00    |
| Replace mercury halide fixture, 175 W                                  | 20                                     | 1 Elec  | 62.000   | Ea.  | 36,643.86   | 42,921.36 2008 Qtr 2 |         | 2                             | 2                       | \$ 85,842.72    |
| Maintenance and repair receptacles and plugs                           | 20                                     | 1 Elec  | 106.000  | Ea.  | 3,233.00  | 4,028.00 2008 Qtr 2  |         | 2                             | 2                       | \$ 8,056.00     |
| Replace receptacle/plug receptacles and plugs                          | 20                                     | 1 Elec  | 106.000  | Ea.  | 5,477.02  | 6,688.60 2008 Qtr 2  |         | 2                             | 2                       | \$ 13,377.20    |
| Maintenance and repair wiring devices, switches                        | 10                                     | 1 Elec  | 40.000   | Ea.  | 1,220.00  | 1,520.00 2008 Qtr 2  |         | 5                             | 5                       | \$ 7,600.00     |
| Replace switch wiring devices, switches                                | 15                                     | 1 Elec  | 40.000   | Ea.  | 2,006.80  | 2,444.00 2008 Qtr 2  |         | 3                             | 3                       | \$ 7,332.00     |
| Check and repair manual pull station                                   | 10                                     | 1 Elec  | 10.000   | Ea.  | 677.00  | 830.50 2008 Qtr 2    |         | 5                             | 5                       | \$ 4,152.50     |
| Replace manual pull station  | 15                                     | 1 Elec  | 10.000   | Ea.  | 1,229.20  | 1,485.20 2008 Qtr 2  |         | 3                             | 3                       | \$ 4,455.60     |
|  |  |   |  |      | \$790,980.12  | \$945,279.34         |         |                               |                         |                 |
|  |  |   |  |      |   |                      |         |                               | MR Subtotal             | \$ 1,898,735.02 |
|  |  |   |  |      |   |                      |         |                               | MR Per Year             | \$ 37,974.70    |
|  |  |   |  |      |   |                      |         |                               | PM Per Year             | \$7,990.00      |
|  |  |   |  |      |   |                      |         |                               | Subtotal                | \$ 45,964.70    |

**FAC 2142 Vehicle Maintenance Shop, Depot**  
**CostWorks 2008 Quarter 2**

| Design Life= 50     |           | C.S.F=100 S.F; MSF=1000 S.F |     | This spreadsheet was exported from |                | Terminal Cutoff is the removal of a single task occurrence if that task occurs within |         |                               |                         |                 |
|---------------------|-----------|-----------------------------|-----|------------------------------------|----------------|---|---------|-------------------------------|-------------------------|-----------------|
| Average S.F= 22,831 |           | Sq=100 S.F; M.L.F=1000 L.F  |     | R.S. Means CostWorks               |                | 10% of the end of the design life and if the frequency of the task exceeds 20% of the |         |                               |                         |                 |
|                     |           |                             |     |                                    |                | design life. This prevents scheduling major work near the end of the design life.     |         |                               |                         |                 |
| Description         | Frequency | Crew                        | Qty | Unit                               | Total In-House | Total Incl. O&P   | Release | Occurrences In<br>Design Life | Adjusted<br>Occurrences | Terminal Cutoff |
|                     |           |                             |     |                                    |                |   |         | Total Per Unit                | \$                      | 2.01            |

**CostWorks 2009 Quarter 1 - FAC 2142 Vehicle Maintenance Shop, Depot**

| Qty    | Assembly Number | Description  | Total In-House    | Total Incl. O&P   | Zip Code Prefix | Type | Release    |
|--------|-----------------|--|-------------------|-------------------|-----------------|------|------------|
| 2.000  | D3095 110 1950  | Air compressor, gas engine powered, annualized     | 2,400.00          | 3,000.00          |                 | FMR  | 2008 Qtr 2 |
| 8.000  | D3045 160 1950  | VAV Boxes, annualized                              | 500.00            | 620.00            |                 | FMR  | 2008 Qtr 2 |
| 1.000  | D3065 100 1950  | Controls, central system, electro/pneumatic, annua | 154.00            | 187.00            |                 | FMR  | 2008 Qtr 2 |
| 2.000  | E1095 123 1950  | Crane, manual bridge, up to 5 ton, annualized      | 125.00            | 151.00            |                 | FMR  | 2008 Qtr 2 |
| 2.000  | E1095 123 3950  | Crane, manual bridge, over 15 tons, annualized     | 282.00            | 338.00            |                 | FMR  | 2008 Qtr 2 |
| 12.000 | B2035 225 1950  | Door, emergency egress, swinging, annualized       | 576.00            | 672.00            |                 | FMR  | 2008 Qtr 2 |
| 7.000  | B2035 400 1950  | Door, overhead, manual, up to 24' high x 25' wide, | 1,029.00          | 1,246.00          |                 | FMR  | 2008 Qtr 2 |
| 22.000 | C1025 110 1950  | Fire doors, swinging, annualized                   | 594.00            | 715.00            |                 | FMR  | 2008 Qtr 2 |
| 2.000  | D2015 800 1950  | Drink fountain, annualized                         | 100.00            | 120.00            |                 | FMR  | 2008 Qtr 2 |
| 7.000  | D2015 100 4950  | Lavatories, annualized                             | 175.00            | 213.50            |                 | FMR  | 2008 Qtr 2 |
| 2.000  | D2015 100 5950  | Showers, annualized                                | 40.00             | 48.00             |                 | FMR  | 2008 Qtr 2 |
| 7.000  | D2015 100 2950  | Toilet (vacuum breaker type), annualized           | 92.75             | 115.85            |                 | FMR  | 2008 Qtr 2 |
| 3.000  | D2015 100 1950  | Urinals, annualized                                | 39.75             | 49.65             |                 | FMR  | 2008 Qtr 2 |
| 2.000  | D2025 260 1950  | Water heater, gas, to 120 gal., annualized         | 316.00            | 382.00            |                 | FMR  | 2008 Qtr 2 |
| 2.000  | D5015 260 1950  | Panelboard, 225 A and above, annualized            | 111.00            | 132.00            |                 | FMR  | 2008 Qtr 2 |
|        |                 |  | <b>\$6,534.50</b> | <b>\$7,990.00</b> |                 |      |            |

FAC 2142 Sustainment by Year - Terminal Cutoff Applied

