

FAC 1711 General Purpose Instruction Building

RUC: \$230.00 SF

Source: USACE PAX Newsletter 3.2.2 dated 20 Mar 09
CC 17120
Deflated to FY-09 using Appendix C of newsletter
In V12, Tri-Service and USACE PAX Newsletter values were updated while all
other values were inflated only.

SUC: \$4.49 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 1711 - General Purpose Instruction Building
CostWorks 2008 Quarter 2 - FAC1711

Design Life= 50
Average S.F= 10,192

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

Assembly Number	Description	Frequency	Crew	Qty	Unit	Total In-House	Total Incl. O&P	Release	Occurrences in Design Life	Adjusted Occurrences	Terminal Cutoff
B1013 510 1010	Repair concrete steps	30	1 Cefi	700.000	S.F.	12,285.00	14,343.00	2008 Qtr 2	1	1 \$	14,343.00
B2013 109 1010	Repair 8" concrete block wall - 1st floor	25	1 Bric	315.000	S.F.	6,318.90	7,686.00	2008 Qtr 2	2	1 \$	7,686.00
B2013 109 1030	Waterproof concrete block wall - 1st floor	10	1 Rofc	31.500	C.S.F.	5,411.07	6,472.31	2008 Qtr 2	5	5 \$	32,361.53
B2013 119 1010	Repair brick wall - 1st floor	25	1 Bric	701.000	S.F.	25,937.00	31,516.96	2008 Qtr 2	2	1 \$	31,516.96
B2023 110 1010	Replace glass - 1st flr. (1% of glass)	1	1 Carp	1.920	S.F.	17.38	20.39	2008 Qtr 2	50	50 \$	1,019.52
B2023 110 1020	Repair 3' x 4' aluminum window - 1st floor	20	1 Carp	16.000	Ea.	3,760.48	4,402.24	2008 Qtr 2	2	2 \$	8,804.48
B2023 110 1030	Replace 3' x 4' aluminum window - 1st floor	50	1 Carp	16.000	Ea.	12,015.52	13,902.88	2008 Qtr 2	1	0 \$	-
B2023 110 2010	Replace glass - 2nd flr. (1% of glass)	1	1 Carp	0.600	S.F.	7.78	9.26	2008 Qtr 2	50	50 \$	463.20
B2023 110 2020	Repair 3' x 4' aluminum window - 2nd floor	20	1 Carp	5.000	Ea.	1,368.90	1,616.80	2008 Qtr 2	2	2 \$	3,233.60
B2023 110 2030	Replace 3' x 4' aluminum window - 2nd floor	50	1 Carp	5.000	Ea.	3,948.55	4,585.70	2008 Qtr 2	1	0 \$	-
B2033 111 1020	Repair aluminum storefront door	12	1 Carp	2.000	Ea.	827.88	981.36	2008 Qtr 2	4	3 \$	2,944.08
B2033 111 1030	Replace 3'-0" x 7'-0" aluminum storefront doors	50	1 Carp	2.000	Ea.	3,362.52	3,948.16	2008 Qtr 2	1	0 \$	-
B2033 111 2010	Replace insulating glass - (3% of glass)	1	1 Carp	0.720	S.F.	26.26	30.77	2008 Qtr 2	50	50 \$	1,538.28
B2033 220 1010	Repair steel, painted, door	14	1 Carp	6.000	Ea.	3,494.64	4,118.16	2008 Qtr 2	3	3 \$	12,354.48
B2033 220 1020	Refinish 3'-0" x 7'-0" steel, painted, door	4	1 Pord	6.000	Ea.	197.46	241.86	2008 Qtr 2	12	12 \$	2,902.32
B2033 220 1030	Replace 3'-0" x 7'-0" steel, painted, door	45	1 Carp	3.000	Ea.	1,596.24	1,860.12	2008 Qtr 2	1	1 \$	1,860.12
B2033 220 2010	Replace tempered glass - (3% of glass)	1	1 Carp	1.080	S.F.	20.84	24.80	2008 Qtr 2	50	50 \$	1,239.84
B2033 220 2040	Replace 3'-0" x 7'-0" steel, w/ wire glass, ptd. door	45	1 Carp	3.000	Ea.	2,819.88	3,286.80	2008 Qtr 2	1	1 \$	3,286.80
B3013 105 0100	Debris removal and visual inspection built-up roofing	0.5	2 Rofc	0.004	M.S.F.	0.12	0.14	2008 Qtr 2	100	100 \$	14.14
B3013 105 0200	Non-destructive moisture inspection built-up roofing	5	2 Rofc	0.004	M.S.F.	0.36	0.44	2008 Qtr 2	10	10 \$	4.39
B3013 105 0300	Minor membrane repairs - (2% of roof area) built-up roofing	1	G5	0.870	Sq.	299.73	354.12	2008 Qtr 2	50	50 \$	17,706.24
B3013 105 0400	Flashing repairs - (2 S.F. per sq. repaired) built-up roofing	1	2 Rofc	87.000	S.F.	292.32	348.00	2008 Qtr 2	50	50 \$	17,400.00
B3013 105 0500	Minor membrane replacement - (25% of roof area) built-up roofing	15	G5	10.875	Sq.	6,464.43	7,711.25	2008 Qtr 2	3	3 \$	23,133.74
B3013 105 0600	Place new membrane over existing built-up roofing	20	G5	43.500	Sq.	14,980.10	17,706.24	2008 Qtr 2	2	2 \$	35,412.48
B3013 105 0700	Total roof replacement built-up roofing	28	G1	43.500	Sq.	24,828.93	29,403.83	2008 Qtr 2	1	1 \$	29,403.83
C1013 110 0010	Repair 8" concrete block wall - (2% of walls) painted	25	1 Bric	14.100	C.S.F.	14,258.06	17,117.68	2008 Qtr 2	2	1 \$	17,117.68
C1013 110 0020	Refinish concrete block wall painted	4	1 Pord	14.100	C.S.F.	1,370.10	1,665.63	2008 Qtr 2	12	12 \$	19,987.60
C1023 121 1010	Repair solid core wood door interior	11	1 Carp	63.000	Ea.	10,568.25	12,482.82	2008 Qtr 2	4	4 \$	49,931.28
C1023 121 1020	Refinish 3'-0" x 7'-0" solid core wood door interior	4	1 Pord	63.000	Ea.	2,659.86	3,274.74	2008 Qtr 2	12	12 \$	39,296.88
C1023 121 1030	Replace 3'-0" x 7'-0" solid core wood door interior	40	1 Carp	58.000	Ea.	21,268.60	24,656.96	2008 Qtr 2	1	1 \$	24,656.96
C1023 121 3040	Replace 3'-0" x 7'-0" solid core, w/ safety glass dr. interior	40	1 Carp	5.000	Ea.	2,228.80	2,575.60	2008 Qtr 2	1	1 \$	2,575.60
C2013 110 0010	Repair concrete steps	15	1 Cefi	25.000	S.F.	424.75	494.50	2008 Qtr 2	3	3 \$	1,483.50
C2013 435 0030	Refinish metal stair railing interior	7	1 Pord	50.000	S.F.	68.50	85.00	2008 Qtr 2	7	7 \$	595.00
C2013 435 0040	Replace metal stair railing interior	45	2 Sswk	50.000	L.F.	1,793.50	2,072.00	2008 Qtr 2	1	1 \$	2,072.00
C3013 206 0010	Repair fabric wall finish fabric interior	9	1 Pord	17.778	S.Y.	447.83	542.41	2008 Qtr 2	5	5 \$	2,712.03
C3013 206 0020	Replace fabric wall finish fabric interior	50	1 Pord	17.778	S.Y.	2,498.34	3,048.22	2008 Qtr 2	1	0 \$	-
C3013 214 0010	Repair 5/8" drywall - (2% of walls)	20	1 Carp	452.000	S.F.	718.68	863.32	2008 Qtr 2	2	2 \$	1,726.64
C3013 214 0030	Refinish drywall	4	1 Pord	2,260.000	S.F.	1,356.00	1,672.40	2008 Qtr 2	12	12 \$	20,068.80
C3013 214 0060	Office painting, 10' x 15', 10' high walls	10	1 Pord	45.000	Ea.	10,935.00	13,456.80	2008 Qtr 2	5	5 \$	67,284.00
C3013 220 0010	Repair 4" x 4" thin set ceramic tile - (2% of walls)	10	1 Tilf	0.366	C.S.F.	276.00	333.92	2008 Qtr 2	5	5 \$	1,669.62
C3023 112 0020	Refinish concrete floor finished	25	2 Cefi	5.600	C.S.F.	1,956.86	2,355.86	2008 Qtr 2	2	1 \$	2,355.86
C3023 410 0020	Replace vinyl floor	18	1 Tilf	63.889	S.Y.	3,050.70	3,724.73	2008 Qtr 2	2	2 \$	7,449.46
C3023 420 0010	Ceramic tile floor repairs - (2% of floors)	15	1 Tilf	0.470	C.S.F.	290.46	361.85	2008 Qtr 2	3	3 \$	1,085.54
C3023 420 0020	Replace 2" x 2" thin set ceramic tile floor	50	1 Tilf	23.500	C.S.F.	31,581.42	38,013.13	2008 Qtr 2	1	0 \$	-
C3023 510 0020	Replace carpet	15	2 Tilf	467.778	S.Y.	21,110.82	24,389.94	2008 Qtr 2	3	3 \$	73,169.83
C3033 105 0010	Repair plaster ceiling - (2% of ceilings)	12	1 Plas	1.144	S.Y.	63.07	76.33	2008 Qtr 2	4	3 \$	228.98
C3033 105 0030	Refinish plaster ceiling	10	1 Pord	57.222	S.Y.	631.16	778.79	2008 Qtr 2	5	5 \$	3,893.96
C3033 107 0010	Repair sheetrock ceiling - (2% of ceilings)	20	1 Carp	0.077	C.S.F.	26.89	32.82	2008 Qtr 2	2	2 \$	65.65
C3033 107 0020	Refinish sheetrock ceiling	20	1 Pord	3.850	C.S.F.	483.83	597.87	2008 Qtr 2	2	2 \$	1,195.73
C3033 107 0040	Replace sheetrock ceiling	40	2 Carp	3.850	C.S.F.	1,379.57	1,684.41	2008 Qtr 2	1	1 \$	1,684.41
C3033 108 0010	Acoustic tile repairs - (2% of ceilings)	9	1 Carp	1.287	C.S.F.	574.88	684.26	2008 Qtr 2	5	5 \$	3,421.30
C3033 108 0030	Refinish acoustical tile ceiling and grid (unoccupied area)	5	2 Pord	0.006	M.S.F.	3.25	3.96	2008 Qtr 2	10	10 \$	39.62
C3033 109 0010	Replace acoustic tile ceiling, fire-rated	20	1 Carp	64.350	C.S.F.	25,942.70	30,823.65	2008 Qtr 2	2	2 \$	61,647.30
D2013 110 0010	Replace flush valve diaphragm tankless water closet	10	1 Plum	12.000	Ea.	848.88	996.72	2008 Qtr 2	5	5 \$	4,983.60
D2013 110 0015	Rebuild flush valve tankless water closet	20	1 Plum	12.000	Ea.	1,583.76	1,920.12	2008 Qtr 2	2	2 \$	3,840.24
D2013 110 0020	Unplug clogged line tankless water closet	5	1 Plum	12.000	Ea.	2,019.12	2,522.16	2008 Qtr 2	10	10 \$	25,221.60
D2013 110 0030	Replace tankless water closet	35	2 Plum	12.000	Ea.	6,576.00	7,780.32	2008 Qtr 2	1	1 \$	7,780.32
D2013 110 0040	Replace tankless flush valve	25	1 Plum	12.000	Ea.	2,514.00	2,944.44	2008 Qtr 2	2	1 \$	2,944.44
D2013 110 0050	Replace wax ring gasket tankless water closet	5	1 Plum	12.000	Ea.	1,314.84	1,646.40	2008 Qtr 2	10	10 \$	16,464.00
D2013 210 0010	Replace flush valve diaphragm urinal	7	1 Plum	6.000	Ea.	424.44	498.36	2008 Qtr 2	7	7 \$	3,488.52
D2013 210 0015	Rebuild flush valve urinal	20	1 Plum	6.000	Ea.	791.88	960.06	2008 Qtr 2	2	2 \$	1,920.12

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the design life. This prevents scheduling major work near the end of the design life

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D2013 210 0020	Unplug line urinal	5	1 Plum	6,000	Ea.	672.84	839.46	2008 Qtr 2	10	10	\$ 8,394.60
D2013 210 0030	Replace wall-hung urinal	35	2 Plum	6,000	Ea.	5,049.78	6,039.42	2008 Qtr 2	1	1	\$ 6,039.42
D2013 330 0010	Replace washer in spud connection lavatory, vitreous china	7	1 Plum	10,000	Ea.	240.10	283.30	2008 Qtr 2	7	7	\$ 1,983.10
D2013 330 0020	Replace washer in faucet lavatory, vitreous china	2	1 Plum	10,000	Ea.	98.50	122.90	2008 Qtr 2	25	25	\$ 3,072.50
D2013 330 0040	Replace faucets lavatory, vitreous china	10	1 Plum	10,000	Ea.	1,234.90	1,490.60	2008 Qtr 2	5	5	\$ 7,453.00
D2013 330 0050	Clean out strainer and P trap lavatory, vitreous china	2	1 Plum	10,000	Ea.	270.40	335.70	2008 Qtr 2	25	25	\$ 8,392.50
D2013 330 0060	Replace lavatory, vitreous china	35	2 Plum	10,000	Ea.	5,301.90	6,357.00	2008 Qtr 2	1	1	\$ 6,357.00
D2013 460 0010	Replace faucet washer	2	1 Plum	2,000	Ea.	19.58	24.38	2008 Qtr 2	25	25	\$ 609.50
D2013 460 0020	Clean trap	3	1 Plum	2,000	Ea.	13.20	16.50	2008 Qtr 2	16	16	\$ 264.00
D2013 460 0030	Replace faucets	10	1 Plum	2,000	Ea.	246.98	298.12	2008 Qtr 2	5	5	\$ 1,490.60
D2013 460 0040	Unstop sink	2	1 Plum	2,000	Ea.	64.42	81.00	2008 Qtr 2	25	25	\$ 2,025.00
D2013 460 0060	Replace sink, P.E.C.I.	35	1 Plum	2,000	Ea.	1,850.92	2,181.14	2008 Qtr 2	1	1	\$ 2,181.14
D2013 810 0010	Check / minor repairs drinking fountain	1	1 Plum	2,000	Ea.	75.16	94.68	2008 Qtr 2	50	50	\$ 4,734.00
D2013 810 0020	Repair internal leaks drinking fountain	4	1 Plum	2,000	Ea.	70.28	86.86	2008 Qtr 2	12	12	\$ 1,042.32
D2013 810 0030	Correct water pressure drinking fountain	2	1 Plum	2,000	Ea.	64.42	81.00	2008 Qtr 2	25	25	\$ 2,025.00
D2013 810 0040	Replace refrigerant drinking fountain	2	1 Plum	2,000	Ea.	31.68	37.72	2008 Qtr 2	25	25	\$ 943.00
D2013 810 0050	Repair drain leak drinking fountain	4	1 Plum	2,000	Ea.	45.26	54.06	2008 Qtr 2	12	12	\$ 648.72
D2013 810 0070	Replace fountain drinking fountain	10	2 Plum	2,000	Ea.	2,011.68	2,387.14	2008 Qtr 2	5	5	\$ 11,935.70
D2023 110 0010	Resolder joint pipe & fittings, copper	10	1 Plum	1,000	Ea.	32.85	40.45	2008 Qtr 2	5	5	\$ 202.25
D2023 110 0050	Replace pipe and fittings, copper 1-1/2"	25	2 Plum	5,000.000	L.F.	149,050.00	181,100.00	2008 Qtr 2	2	1	\$ 181,100.00
D2023 160 0040	Remove old insulation & replace with new, pipe 1-1/2", wall 1"	15	1 Plum	3,000.000	L.F.	23,130.00	28,140.00	2008 Qtr 2	3	3	\$ 84,420.00
D2023 220 0010	Drain and flush water heater, electric, 120 gallon	7	1 Plum	1,000	Ea.	226.43	283.04	2008 Qtr 2	7	7	\$ 1,981.28
D2023 220 0020	Check operation water heater, electric, 120 gallon	3	1 Plum	1,000	Ea.	1.98	2.48	2008 Qtr 2	16	16	\$ 39.68
D2023 220 0030	Replace water heater, electric, 120 gallon	15	2 Plum	1,000	Ea.	9,192.45	10,543.79	2008 Qtr 2	3	3	\$ 31,631.37
D2023 260 0020	Inspect / check pump / motor operation, lub. circulation pump, 1/12 HP	0.5	1 Plum	1,000	Ea.	6.19	7.72	2008 Qtr 2	100	100	\$ 772.00
D2023 260 0030	Replace pump / motor assembly circulation pump, 1/12 HP	10	2 Plum	1,000	Ea.	736.33	863.29	2008 Qtr 2	5	5	\$ 4,316.45
D2033 110 0020	Unclog main drain pipe & fittings, cast iron	10	1 Plum	1,000	Ea.	35.62	44.41	2008 Qtr 2	5	5	\$ 222.05
D2033 110 0030	Replace pipe & fittings, cast iron	40	2 Plum	1,000.000	L.F.	41,900.00	50,700.00	2008 Qtr 2	1	1	\$ 50,700.00
D2033 130 0010	Unclog floor drain, PVC	20	1 Plum	1,000	Ea.	37.09	45.87	2008 Qtr 2	2	2	\$ 91.74
D2033 130 0040	Repair joint pipe and fittings, PVC	10	1 Plum	1,000	Ea.	115.94	144.14	2008 Qtr 2	5	5	\$ 720.70
D2033 130 0100	Replace pipe, 4" pipe and fittings, PVC	30	2 Plum	300.000	L.F.	17,760.00	21,957.00	2008 Qtr 2	1	1	\$ 21,957.00
D2043 210 1010	General maintenance & repair drain: roof, scupper, area	1	1 Plum	2,000	Ea.	56.70	71.34	2008 Qtr 2	50	50	\$ 3,567.00
D2043 210 1020	Replace drain: roof, scupper, area	40	1 Plum	2,000	Ea.	796.68	936.28	2008 Qtr 2	1	1	\$ 936.28
D3043 120 5010	Repair fan coil unit, 20 ton	10	1 Stpi	2,000	Ea.	1,260.36	1,485.38	2008 Qtr 2	5	5	\$ 7,426.90
D3043 120 5030	Replace fan coil unit, 20 ton	15	Q6	2,000	Ea.	18,234.00	21,421.40	2008 Qtr 2	3	3	\$ 64,264.20
D3043 220 1040	Replace fan & motor, propeller exh., 4700 CFM exhaust fan	15	Q20	1,000	Ea.	1,393.63	1,626.35	2008 Qtr 2	3	3	\$ 4,879.05
D4013 310 1020	Inspect sprinkler system	1	1 Plum	1,000	Ea.	26.55	32.89	2008 Qtr 2	50	50	\$ 1,644.50
D4013 310 1030	Replace sprinkler head	20	1 Plum	120.000	Ea.	7,641.60	9,415.20	2008 Qtr 2	2	2	\$ 18,830.40
D5013 264 0010	Maintenance and repair motor starter, up to 600 V	5	1 Elec	4,000	Ea.	683.00	830.00	2008 Qtr 2	10	10	\$ 8,300.00
D5013 264 0020	Maintenance and inspection motor starter, up to 600 V	0.5	1 Elec	4,000	Ea.	152.68	191.40	2008 Qtr 2	100	100	\$ 19,140.00
D5013 264 0030	Replace starter motor starter, up to 600 V	18	1 Elec	4,000	Ea.	2,112.72	2,521.64	2008 Qtr 2	2	2	\$ 5,043.28
D5013 280 0020	Maintenance and inspection lighting panel, indoor	3	1 Elec	2,000	Ea.	57.00	71.26	2008 Qtr 2	16	16	\$ 1,140.16
D5023 130 6010	Repair failed breaker, 3 pole circuit breaker	4	1 Elec	1,000	Ea.	525.04	607.28	2008 Qtr 2	12	12	\$ 7,287.36
D5023 130 6020	Maintenance and inspection C.B., 3 pole circuit breaker	0.33	1 Elec	1,000	Ea.	22.91	28.50	2008 Qtr 2	151	151	\$ 4,303.50
D5023 130 6030	Replace C.B. enclosed, 600 V, 3 pole circuit breaker	12	1 Elec	1,000	Ea.	993.60	1,158.09	2008 Qtr 2	4	3	\$ 3,474.27
D5023 150 0010	Maintenance and repair receptacles and plugs	20	1 Elec	125.000	Ea.	3,886.25	4,841.25	2008 Qtr 2	2	2	\$ 9,682.50
D5023 150 0020	Replace receptacle/plug receptacles and plugs	20	1 Elec	125.000	Ea.	6,595.00	8,052.50	2008 Qtr 2	2	2	\$ 16,105.00
D5023 220 0010	Maintenance and repair wiring devices, switches	10	1 Elec	63.000	Ea.	1,958.67	2,439.99	2008 Qtr 2	5	5	\$ 12,199.95
D5023 220 0020	Replace switch wiring devices, switches	15	1 Elec	63.000	Ea.	3,226.23	3,928.05	2008 Qtr 2	3	3	\$ 11,784.15
D5023 230 0010	Minor repairs to light dimming panel	5	1 Elec	1,000	Ea.	156.91	186.24	2008 Qtr 2	10	10	\$ 1,862.40
D5023 230 0020	Maintenance and inspection light dimming panel	1	1 Elec	1,000	Ea.	30.54	38.17	2008 Qtr 2	50	50	\$ 1,908.50
D5023 230 0030	Replace light dimming panel	15	1 Elec	1,000	Ea.	1,152.91	1,357.59	2008 Qtr 2	3	3	\$ 4,072.77
D5023 240 0010	Maintenance and repair incandescent lighting fixtures	10	1 Elec	9,000	Ea.	425.52	507.51	2008 Qtr 2	5	5	\$ 2,537.55
D5023 240 0020	Replace lamp incandescent lighting fixtures	5	1 Elec	9,000	Ea.	62.82	76.68	2008 Qtr 2	10	10	\$ 766.80
D5023 240 0030	Replace lighting fixture incandescent	20	1 Elec	9,000	Ea.	1,074.78	1,285.65	2008 Qtr 2	2	2	\$ 2,571.30
D5023 260 0010	Replace fluor. ballast for fluorescent lighting fixture, 80 W	10	1 Elec	28.000	Ea.	2,788.24	3,362.24	2008 Qtr 2	5	5	\$ 16,811.20
D5023 260 0020	Replace lamps (2 lamps) fluorescent lighting fixture, 80 W	10	1 Elec	28.000	Ea.	712.32	873.04	2008 Qtr 2	5	5	\$ 4,365.20
D5023 260 0030	Replace fixture fluorescent lighting fixture, 80 W	20	1 Elec	28.000	Ea.	4,986.24	6,023.08	2008 Qtr 2	2	2	\$ 12,046.16
D5033 410 0010	Maintenance and repair master clock control	10	1 Elec	1,000	Ea.	126.58	152.54	2008 Qtr 2	5	5	\$ 762.70
D5033 410 0020	Check operation master clock control	1	1 Elec	1,000	Ea.	30.54	38.17	2008 Qtr 2	50	50	\$ 1,908.50
D5033 410 0030	Replace time control clock master clock	15	1 Elec	1,000	Ea.	178.99	214.18	2008 Qtr 2	3	3	\$ 642.54

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D5033 710 0010	Repair smoke detector	10	1 Elec	13.000	Ea.	496.47	611.00 2008 Qtr 2		5	5 \$	3,055.00
D5033 710 0020	Check operation smoke detector	1	1 Elec	13.000	Ea.	148.20	185.90 2008 Qtr 2		50	50 \$	9,295.00
D5033 710 0030	Replace smoke detector	15	1 Elec	13.000	Ea.	2,464.15	2,950.87 2008 Qtr 2		3	3 \$	8,852.61
D5033 720 0010	Check and repair manual pull station	10	1 Elec	4.000	Ea.	276.84	339.48 2008 Qtr 2		5	5 \$	1,697.40
D5033 720 0020	Replace manual pull station	15	1 Elec	4.000	Ea.	502.96	607.56 2008 Qtr 2		3	3 \$	1,822.68
D5033 770 0010	Replace fire alarm bell, 6"	20	1 Elec	3.000	Ea.	426.84	514.53 2008 Qtr 2		2	2 \$	1,029.06
D3023 180 3010	Repair boiler, gas, 10,000 MBH	7	Q5	1.000	Ea.	14,226.37	16,398.16 2008 Qtr 2		7	7 \$	114,787.12
D3023 180 3070	Replace boiler, gas, 10,000 MBH	30	Q7	1.000	Ea.	183,798.00	215,209.80 2008 Qtr 2		1	1 \$	215,209.80
D3053 272 2010	Repair air conditioner, DX, 20 ton	10	Q6	1.000	Ea.	24,129.08	28,019.61 2008 Qtr 2		5	5 \$	140,098.05
D3053 272 2030	Replace air conditioner, DX, 20 ton	20	Q7	1.000	Ea.	18,029.20	20,838.20 2008 Qtr 2		2	2 \$	41,676.40
						\$869,757.08	\$1,035,841.94				

MR Subtotal \$ 1,958,219.95

MR Per Year \$ 39,164.40

PM Per Year \$ 7,992.93

Subtotal \$ 47,157.33

Total Per Unit \$ 4.63

CostWorks 2008 Quarter 2 - FAC1711

Qty	Assembly Number	Description	Total In-House	Total Incl. O&P	Zip Code Prefix	Type	Release
6.000	D2015 100 1950	Urinals, annualized	77.58	96.90	203	FMR	2008 Qtr 2
12.000	D2015 100 3950	Toilet (tank type), annualized	263.52	327.96	203	FMR	2008 Qtr 2
10.000	D2015 100 4950	Lavatories, annualized	246.80	300.80	203	FMR	2008 Qtr 2
2.000	D2015 800 1950	Drink fountain, annualized	99.00	118.72	203	FMR	2008 Qtr 2
1.000	D2025 260 1950	Water heater, gas, to 120 gal., annualized	156.50	189.02	203	FMR	2008 Qtr 2
2.000	D3045 120 1950	Fan coil unit, annualized	431.42	533.20	203	FMR	2008 Qtr 2
6.000	D3045 160 1950	VAV Boxes, annualized	367.86	456.00	203	FMR	2008 Qtr 2
2.000	D3055 250 2950	Air conditioning,split system,DX air cooled,over 10 t	603.20	731.14	203	FMR	2008 Qtr 2
1.000	D5015 220 1950	Circuit breaker, high voltage air, annualized	26.98	33.59	203	FMR	2008 Qtr 2
2.000	D5015 260 1950	Panelboard, 225 A and above, annualized	113.92	135.42	203	FMR	2008 Qtr 2
4.000	D5015 280 1950	Motor control center, over 400 A, annualized	215.64	256.60	203	FMR	2008 Qtr 2
1.000	D5035 610 1950	Central clock systems, annualized	76.88	96.23	203	FMR	2008 Qtr 2
6.000	D5095 250 2950	Light, emergency, dry cell, annualized	410.28	481.08	203	FMR	2008 Qtr 2
1.000	D3025 130 4950	Boiler, hot water, oil, gas, or comb. fired, over 1000	1,249.02	1,542.45	203	FMR	2008 Qtr 2
1.000	D5035 710 1950	Fire alarm annunciator system, annualized	811.57	990.03	203	FMR	2008 Qtr 2
1.000	D4015 100 1950	Backflow prevention device, up to 4", annualized	18.89	23.42	203	FMR	2008 Qtr 2
1.000	D4015 310 1950	Extinguishing system, dry pipe, annualized	950.07	1,156.15	203	FMR	2008 Qtr 2
6.000	B2035 225 1950	Door, emergency egress, swinging, annualized	297.06	345.06	203	FMR	2008 Qtr 2
6.000	C1025 110 1950	Fire doors, swinging, annualized	149.34	179.16	203	FMR	2008 Qtr 2
			\$6,565.53	\$7,992.93			

FAC 1711 Sustainment by Year - Terminal Cutoff Applied

