

**FAC 7445 Boathouse**

RUC: \$27.26 SF

Source: Marshall and Swift 17/18 adjusted for area and inflation using Marshall & Swift Section 99. Projected to vFY-09 using Green Book Table 5-6 (MCON).  
In V12, Tri-Service and USACE PAX Newsletter values were updated while all other values were inflated only.

Calculation as follows:

SUC: \$0.58 SF

Source: Cost Works model, 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.

7445	Boathouse				Average Cost			Adjustments		
	17/18	Assume: boat storage shed, Class S, Good			Lo	Hi	Ave	Current	DC	
	May 07				0		26.15			
								1.08	1.03	29.09

**FAC 7445 Boathouse**  
**CostWorks 2008 Quarter 2 -**

Design Life= 31  
Average S.F= 2134

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 Incl. O&P	Zip Code Prefix	Type	Release	Adjusted Occurrences	lifecost	Terminal Cutoff
Replace aluminum siding - 1st floor	35	1 Carp	35.80	C.S.F.	19,516.73	200	FMR	2008 Qtr 2	0	0 \$	-
Replace aluminum siding - 2nd floor	35	1 Carp	38.60	C.S.F.	26,227.93	200	FMR	2008 Qtr 2	0	0 \$	-
Replace glass - 1st floor (1% of glass)	1	1 Carp	0.01	S.F.	0.11	200	FMR	2008 Qtr 2	31	3,292.22 \$	3,292.22
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	1 Carp	2.00	Ea.	272.40	200	FMR	2008 Qtr 2	1	272.4 \$	272.40
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	1 Carp	2.00	Ea.	1,025.98	200	FMR	2008 Qtr 2	0	0 \$	-
Repair steel, painted, door	14	1 Carp	1.00	Ea.	686.36	200	FMR	2008 Qtr 2	1	1372.72 \$	686.36
Refinish 3'-0" x 7'-0" steel, painted, door	4	1 Pord	2.00	Ea.	80.62	200	FMR	2008 Qtr 2	7	564.34 \$	564.34
Replace 3'-0" x 7'-0" steel, painted, door	45	1 Carp	2.00	Ea.	1,240.08	200	FMR	2008 Qtr 2	0	0 \$	-
Repair 12' x 24' aluminum double roll-up door	10	1 Carp	1.00	Ea.	1,933.35	200	FMR	2008 Qtr 2	2	5800.05 \$	3,866.70
Refinish 12' x 24' aluminum double roll-up door	5	1 Pord	1.00	Ea.	412.02	200	FMR	2008 Qtr 2	6	2472.12 \$	2,472.12
Replace 12' x 24' aluminum double roll-up door	35	2 Carp	1.00	Ea.	7,776.46	200	FMR	2008 Qtr 2	0	0 \$	-
Debris removal by hand & visual inspection metal steep roofing	1	2 Rofc	2.20	M.S.F.	47.08	200	FMR	2008 Qtr 2	31	1459.48 \$	1,459.48
Minor finish repairs - (2% of roof area) metal steep roofing	7	2 Rofc	42.20	S.F.	135.88	200	FMR	2008 Qtr 2	3	543.536 \$	407.65
Flashing replacement - (2 S.F. per sq. repaired) metal steep roofing	7	2 Rofc	84.50	S.F.	1,464.39	200	FMR	2008 Qtr 2	3	5857.54 \$	4,393.16
Minor replacement - (2.5% of roof area) metal steep roofing	20	2 Rofc	53.00	S.F.	562.86	200	FMR	2008 Qtr 2	1	562.86 \$	562.86
Total metal panel replacement metal steep roofing	30	2 Rofc	21.34	Sq.	16,805.46	200	FMR	2008 Qtr 2	0	16805.46 \$	-
Maintenance and repair receptacles and plugs	20	1 Elec	20.00	Ea.	774.60	200	FMR	2008 Qtr 2	1	774.6 \$	774.60
Replace receptacle/plug receptacles and plugs	20	1 Elec	20.00	Ea.	1,288.40	200	FMR	2008 Qtr 2	1	1288.4 \$	1,288.40
Maintenance and repair wiring devices, switches	10	1 Elec	10.00	Ea.	387.30	200	FMR	2008 Qtr 2	2	1161.9 \$	774.60
Replace switch wiring devices, switches	15	1 Elec	10.00	Ea.	623.50	200	FMR	2008 Qtr 2	1	1247 \$	623.50
Replace M.H. ballast mercury halide fixture, 175 W	10	1 Elec	10.00	Ea.	2,238.90	200	FMR	2008 Qtr 2	2	6716.7 \$	4,477.80
Replace lamp mercury halide fixture, 175 W	7	1 Elec	10.00	Ea.	874.70	200	FMR	2008 Qtr 2	3	3498.8 \$	2,624.10
Replace mercury halide fixture, 175 W	30	1 Elec	10.00	Ea.	7,117.70	200	FMR	2008 Qtr 2	0	7117.7 \$	-
Repair smoke detector	10	1 Elec	4.00	Ea.	188.00	200	FMR	2008 Qtr 2	2	564 \$	376.00
Check operation smoke detector	1	1 Elec	4.00	Ea.	57.20	200	FMR	2008 Qtr 2	31	1773.2 \$	1,773.20
Replace smoke detector	15	1 Elec	4.00	Ea.	907.96	200	FMR	2008 Qtr 2	1	1815.92 \$	907.96
Check and repair manual pull station	10	1 Elec	1.00	Ea.	84.87	200	FMR	2008 Qtr 2	2	254.61 \$	169.74
Replace manual pull station	15	1 Elec	1.00	Ea.	151.89	200	FMR	2008 Qtr 2	1	303.78 \$	151.89

**\$92,882.72**

MR Subtotal \$ 28,630.15

MR Per Year \$ 923.55

PM Per Year \$ 347.63

Subtotal \$ 1,271.18

Total Per Unit \$ 0.60

**CostWorks 2008 Quarter 2 - FAC 7445 Boathouse**

Qty	Assembly Number	Description	Total Incl. O&P	Zip Code	Prefix	Type	Release
1.000	B2035 225 1950	Door, emergency egress, swinging, annualized	57.51	200		FMR	2008 Qtr 2
1.000	B2035 410 1950	Door, overhead, electric, roll up, to 24' high x 25' w	290.12	200		FMR	2008 Qtr 2
			<b>\$347.63</b>				

FAC 7445 Sustainment by Year - Terminal Cutoff Applied

