

FAC 8722 Security Fence

RUC: \$63.12 LF

Source: Marshall and Swift, inflated to FY-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 follows:

SUC: \$2.47 LF

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 the relative annual sustainment requirements follows:

FAC 8722 Security Fence

RUC

Fence/LF	Source = Marshall and Swift 66/4 Dec 07
	31.1 12 ft, 2" mesh, #7 wire
	9.85 barbed coils
	\$40.95 per LF
Vehicular Gate/LF	Source = USACE
	1574 24' double swing gate
	3150 electrically operated
	4724 Oct 2010 price
	4518.608696 Jul 08 price using USACE Appendix C escalation factors
	Assume 1 gate every 2 blocks = 2 x 264 ft
	\$8.56 per LF
Personnel Gate	Source = Marshall and Swift 66/4 Dec 05
	7085 One way, galvanized, electrically operated
	Assume 1 gate every 2 blocks = 2 x 264 ft
	\$13.42 per LF
Marshall and Swift Escalated to 8/08	
	\$58.78 Current Cost Multiplier = 1.02; Local Multiplier for "A" quality = 1.06
	\$67.34 TOTAL, Jul 08, per LF

**FAC 8722 Security Fence
CostWorks 2008 Quarter 2**

Design Life= 26 yrs
Average S.F= 1076 ft

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from R.S

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 Incl. O&P	Zip Code Prefix	Type	Release	Adjusted Occurrences	lifecost	Terminal Cutoff
G2043 105 1010	Minor chain link fence repairs (per 10 L.F.)	1	2 Clab	1.000	Ea.	24.79	200	FMR	2008 Qtr 2	26	644.54	\$ 644.54
G2043 105 1110	Replace bent 1-5/8" top rail (per 20 L.F.)	2	2 Clab	1.000	Ea.	88.06	200	FMR	2008 Qtr 2	13	1144.78	\$ 1,144.78
G2043 105 1120	Replace broken barbed wire arm	2	2 Clab	1.000	Ea.	57.15	200	FMR	2008 Qtr 2	13	742.95	\$ 742.95
G2043 105 1130	Replace barbed wire, 3 strands (per 100 L.F.)	5	2 Clab	1.000	Ea.	389.64	200	FMR	2008 Qtr 2	5	1948.2	\$ 1,948.20
G2043 105 1140	Replace fence fabric, 6' high, 9 ga. (per 10 L.F.)	10	2 Clab	1.000	Ea.	185.38	200	FMR	2008 Qtr 2	2	370.76	\$ 370.76
G2043 105 1160	Replace 6' x 18" cantilever slide gate	5	2 Clab	1.000	Opng.	1,731.74	200	FMR	2008 Qtr 2	5	8658.7	\$ 8,658.70
G2043 105 1210	Replace 2" line post	5	B55	1.000	Ea.	594.75	200	FMR	2008 Qtr 2	5	2973.75	\$ 2,973.75
G2043 105 1220	Replace 3" corner post	10	B55	1.000	Ea.	932.38	200	FMR	2008 Qtr 2	2	1864.76	\$ 1,864.76
G2043 105 1230	Replace 3" gate post	5	B55	1.000	Ea.	1,164.09	200	FMR	2008 Qtr 2	5	5820.45	\$ 5,820.45
	Replace Personnel Gate (Turnstile, electrically operated)	10		2.000	Ea.	12,902.50		GSA		2	25805	\$ 25,805.00
\$18,070.48										MR Subtotal		\$ 49,973.89
										MR Per Year		\$ 1,922.07
										PM Per Year		\$ 825.98
										Subtotal		\$ 2,748.05
										Total Per Unit		\$ 2.55

CostWorks 2008 Quarter 2 - FAC 8722 Security Fence

Qty	Assembly Number	Description	Total In-House	Total Incl. O&P	Zip Code Prefix	Type	Release
1.000	G2045 150 1950	Manual swing gate, annualized	73.63	89.88	200	FMR	2008 Qtr 2
2.000	G2045 150 2950	Electric swing gate, annualized	226.78	278.48	200	FMR	2008 Qtr 2
2.000	G2045 150 4950	Electric slide gate, annualized	373.02	457.62	200	FMR	2008 Qtr 2
			\$673.43	\$825.98			

FAC 8722 Sustainment by Year - Terminal Cutoff Applied

