

FAC 1381 SHIP NAVIGATION FACILITY

FY22 SUC: \$330.93 / EA
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3
component prices

FAC 1381 SHIP NAVIGATION FACILITY

Release 2021 Qtr 3

Zip Code Prefix 222

Type MR

UM EA

Design Life 50

Average Size 1.0

SUC \$330.93

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	
Maintenance and repair quartz fixture	10	0.90 Ea.	\$52.63	\$63.20	5.0000	5	5	\$315.99	\$315.99	
Replace 1500 W quartz lamp	10	0.90 Ea.	\$48.11	\$57.60	5.0000	5	5	\$288.02	\$288.02	
Replace fixture quartz	20	0.90 Ea.	\$285.16	\$345.38	2.5000	2	2	\$690.76	\$690.76	
Replace safety switch, heavy duty 100 A	25	0.90 Ea.	\$1,043.04	\$1,236.09	2.0000	2	2	\$2,472.18	\$2,472.18	
Maintenance and repair lightning ground rod	1	0.90 Ea.	\$79.10	\$98.81	50.0000	50	48	\$4,940.42	\$4,742.81	
Replace lightning ground rod	25	0.90 Ea.	\$203.48	\$252.26	2.0000	2	2	\$504.52	\$504.52	
			\$1,711.52	\$2,053.34				MR Subtotal	\$9,014.27	
									MR Per Year	\$180.29
									PM Total	\$150.64
									Subtotal	\$330.93
									Total Per Unit	\$330.93

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Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Cathodic protection system, annualized	1.00	1.46	\$19.33	\$79.05	\$0.00	\$98.38	\$124.03	\$150.64
						\$98.38	\$124.03	\$150.64

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Modeled Component List

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D50 Electrical

Quartz Lamp 1500 W, replace lamp	0.9 Ea.
Quartz Lamp 1500 W, replace fixture	0.9 Ea.
Safety Switch, Heavy Duty 100 A	0.9 Ea.
Lightning Ground Rod	0.9 Ea.

G40 Site Electrical Utilities

Cathodic Protection, annualized	1.0 Each
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Sustainment by Year
CostWorks Release 2021 Qtr 3

