

**FAC 2135 LANDING CRAFT WASH FACILITY**

FY24 SUC: \$12,897.72 / EA  
Source: Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 2135 LANDING CRAFT WASH FACILITY

Release 2023 Qtr 4  
Zip Code Prefix 222  
Type MR

UM EA  
Design Life 37  
Average Size 1.0

SUC \$12,897.72

Adjusted Occurrences 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
Remove and replace asphalt curb or berm	10	84.00 L.F.	\$977.72	\$1,185.10	3.7000	3	3	\$3,555.29	\$3,555.29
Prepare & paint 100K gal. ground level water stor tank, 30' dia x 19' tall	10	1.00 Ea.	\$33,314.80	\$39,778.27	3.7000	3	3	\$119,334.81	\$119,334.81
Remove and replace fire hydrant	25	0.56 Ea.	\$4,928.27	\$5,686.06	1.4800	1	1	\$5,686.06	\$5,686.06
Cable inspection overhead service, splice	5	16.00 M.L.F.	\$745.90	\$934.50	7.4000	7	7	\$6,541.52	\$6,541.52
Replace 400W H.P.S. lamp, pole-mounted fixture	10	16.00 Ea.	\$2,149.23	\$2,545.47	3.7000	3	3	\$7,636.42	\$7,636.42
Remove and replace 50 HP pump motor	25	2.00 Ea.	\$18,031.24	\$20,599.73	1.4800	1	1	\$20,599.73	\$20,599.73
Minor repairs to concrete floor unfinished	15	120.00 S.F.	\$4,576.06	\$5,584.43	2.4667	2	2	\$11,168.86	\$11,168.86
Replace metal hand rail	30	210.00 L.F.	\$12,713.45	\$14,778.58	1.2333	1	1	\$14,778.58	\$14,778.58
Metal floor grating repairs - (2% of grating)	10	12.00 S.F.	\$397.89	\$479.50	3.7000	3	3	\$1,438.49	\$1,438.49
Replace metal floor grating	30	140.00 S.F.	\$3,995.56	\$4,608.77	1.2333	1	1	\$4,608.77	\$4,608.77
Replace old valve, non-drain, less than 1-1/2"	10	4.00 Ea.	\$3,109.88	\$3,576.84	3.7000	3	3	\$10,730.51	\$10,730.51
Replace old valve, non-drain, 4"	10	1.00 Ea.	\$3,278.96	\$3,828.35	3.7000	3	3	\$11,485.04	\$11,485.04
Replace old valve, non-drain, 6"	10	1.00 Ea.	\$3,644.53	\$4,266.69	3.7000	3	3	\$12,800.07	\$12,800.07
Remove old insulation & replace with new, pipe 1-1/2", wall 3/4"	15	137.00 L.F.	\$2,050.90	\$2,493.23	2.4667	2	2	\$4,986.47	\$4,986.47
Minor repairs, adjustments water heater, gas / oil, 1150 GPH	2	1.00 Ea.	\$103.05	\$129.00	18.5000	18	17	\$2,322.00	\$2,193.00
Clean & service water heater, gas / oil, 1150 GPH	2	1.00 Ea.	\$617.22	\$772.66	18.5000	18	18	\$13,907.83	\$13,907.83
Replace water heater, gas / oil, 1150 GPH	20	1.00 Ea.	\$40,152.67	\$46,253.95	1.8500	1	1	\$46,253.95	\$46,253.95
Inspect / check pump / motor operation, lubricate circulation pump, 1/12 HP	0.5	1.00 Ea.	\$8.44	\$10.56	74.0000	74	74	\$781.58	\$781.58
Insp/chk pump/mtr oper, lub, chk align circulation pump, 3 HP	0.5	1.00 Ea.	\$13.62	\$17.05	74.0000	74	74	\$1,261.86	\$1,261.86
Replace pump / motor assembly circulation pump, 3 HP	20	1.00 Ea.	\$13,613.52	\$15,576.49	1.8500	1	1	\$15,576.49	\$15,576.49
Replace old valve with new hose bibb	10	12.00 Ea.	\$859.42	\$1,045.92	3.7000	3	3	\$3,137.75	\$3,137.75
Overhaul water meter	13	2.00 Ea.	\$50.90	\$63.17	2.8462	2	2	\$126.34	\$126.34
Unclog floor drain	10	8.00 Ea.	\$2,739.72	\$3,400.86	3.7000	3	3	\$10,202.59	\$10,202.59
Clean out bucket floor drain with bucket	5	8.00 Ea.	\$2,473.19	\$3,096.00	7.4000	7	7	\$21,672.03	\$21,672.03
Insp/chk pump/mtr oper, lub, chk align, rainwater sump pump	1	2.00 Ea.	\$25.12	\$31.44	37.0000	37	37	\$1,163.42	\$1,163.42
Replace rainwater sump pump / motor assembly	20	1.00 Ea.	\$639.87	\$757.30	1.8500	1	1	\$757.30	\$757.30
Check and adjust 2 H.P. compressor	1	2.00 Ea.	\$178.06	\$222.90	37.0000	37	37	\$8,247.36	\$8,247.36
Replace 2 H.P. compressor	25	2.00 Ea.	\$9,345.69	\$10,844.44	1.4800	1	1	\$10,844.44	\$10,844.44
Replace oil filter housing	30	4.00 Ea.	\$283.47	\$340.71	1.2333	1	1	\$340.71	\$340.71
Repair feed water supply pump	15	1.00 Ea.	\$5,965.19	\$6,863.28	2.4667	2	2	\$13,726.57	\$13,726.57

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
			\$170,983.52	\$199,771.27				MR Subtotal	\$385,543.86
								MR Per Year	\$10,420.10
								PM Total	\$2,477.62
								Subtotal	\$12,897.72
								Total Per Unit	\$12,897.72

FAC 2135 LANDING CRAFT WASH FACILITY

SUC \$12,897.72

Release 2023 Qtr 4

UM EA

Zip Code Prefix 222

Design Life 37

Type PM

Average Size 1.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Valve, butterfly, above 4", annualized	6.00	1.00	\$24.83	\$53.37	\$0.00	\$78.20	\$96.69	\$116.43
Valve, check, above 4", annualized	4.00	1.03	\$16.56	\$54.94	\$0.00	\$71.49	\$89.63	\$108.59
Valve, globe, above 4", annualized	4.00	0.64	\$16.56	\$34.01	\$0.00	\$50.56	\$62.42	\$75.11
Water heater, steam 2500 gal., annualized	1.00	1.55	\$149.78	\$82.84	\$0.00	\$232.62	\$272.45	\$319.76
Valve, pressure relief, above 4", annualized	4.00	0.59	\$23.68	\$31.57	\$0.00	\$55.25	\$67.09	\$80.11
Duplex sump, annualized	2.00	3.31	\$53.64	\$177.89	\$0.00	\$231.52	\$290.25	\$351.67
Storage tank, ground level, annualized	1.00	0.72	\$19.76	\$37.60	\$0.00	\$57.37	\$70.62	\$84.87
Water flow meter, turbine, annualized	2.00	1.18	\$37.45	\$60.84	\$0.00	\$98.29	\$120.29	\$144.16
Pump, turbine, well, annualized	1.00	5.69	\$210.82	\$295.75	\$0.00	\$506.57	\$616.38	\$736.73
Sewage lift, over 1 H.P., annualized	1.00	1.46	\$30.51	\$75.63	\$0.00	\$106.14	\$131.88	\$159.15
Fuel oil storage tank, above ground, annualized	1.00	3.28	\$23.44	\$169.84	\$0.00	\$193.29	\$246.58	\$301.05
						\$1,681.30	\$2,064.29	\$2,477.62



# FAC 2135 LANDING CRAFT WASH FACILITY

## Modeled Component List

### CostWorks Release 2023 Qtr 4

#### G30 Site Mechanical Utilities

Ground Level Water Storage Tank 100K Gallon	1.0 Ea.
Fire Hydrants	0.56 Ea.
Storage Tank Ground Level, annualized	1.0 Each
Water Flow Meter, Turbine, annualized	2.0 Each
Pump, Turbine, Well, annualized	1.0 Each
Sewage Lift, annualized	1.0 Each
Fuel Oil Storage Tank, annualized	1.0 Each

#### G40 Site Electrical Utilities

Pole-Mounted Lamp 400W H.P.S.	16.0 Ea.
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#### B10 Superstructure

Railing, Metal	210.0 L.F.
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#### D20 Plumbing

Valve, Non-Drain, Less Than 1-1/2", Less Than 1-1/2"	4.0 Ea.
Valve, Non-Drain, 4"	1.0 Ea.
Water Heater, Gas / Oil, 1150 GPH	1.0 Ea.
Hose Bibb	12.0 Ea.
Water Meter	2.0 Ea.
Rainwater Sump Pump	1.0 Ea.
Compressed Air Systems, Compressors, 2 H.P.	2.0 Ea.

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Sustainment by Year  
CostWorks Release 2023 Qtr 4

