

FAC 2135 LANDING CRAFT WASH FACILITY

FY22 SUC:	\$11,800.08 / EA
Source:	Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 2135 LANDING CRAFT WASH FACILITY

SUC \$11,800.08

 Release 2021 Qtr 3
 Zip Code Prefix 222
 Type MR

 UM EA
 Design Life 37
 Average Size 1.0

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
Minor repairs to concrete floor unfinished	15	120.00 S.F.	\$4,726.61	\$5,732.85	2.4667	2	2	\$11,465.70	\$11,465.70
Replace metal hand rail	30	210.00 L.F.	\$15,893.52	\$18,390.26	1.2333	1	1	\$18,390.26	\$18,390.26
Metal floor grating repairs - (2% of grating)	10	12.00 S.F.	\$401.45	\$483.33	3.7000	3	3	\$1,450.00	\$1,450.00
Replace metal floor grating	30	140.00 S.F.	\$5,523.55	\$6,344.48	1.2333	1	1	\$6,344.48	\$6,344.48
Replace old valve, non-drain, less than 1-1/2"	10	4.00 Ea.	\$2,153.55	\$2,487.43	3.7000	3	3	\$7,462.29	\$7,462.29
Replace old valve, non-drain, 4"	10	1.00 Ea.	\$2,510.01	\$2,948.46	3.7000	3	3	\$8,845.39	\$8,845.39
Replace old valve, non-drain, 6"	10	1.00 Ea.	\$3,586.53	\$4,193.13	3.7000	3	3	\$12,579.38	\$12,579.38
Remove old insulation & replace with new, pipe 1-1/2", wall 3/4"	15	137.00 L.F.	\$1,977.82	\$2,400.20	2.4667	2	2	\$4,800.41	\$4,800.41
Minor repairs, adjustments water heater, gas / oil, 1150 GPH	2	1.00 Ea.	\$98.31	\$122.94	18.5000	18	17	\$2,213.00	\$2,090.06
Clean & service water heater, gas / oil, 1150 GPH	2	1.00 Ea.	\$586.59	\$733.59	18.5000	18	18	\$13,204.64	\$13,204.64
Replace water heater, gas / oil, 1150 GPH	20	1.00 Ea.	\$41,525.47	\$47,777.51	1.8500	1	1	\$47,777.51	\$47,777.51
Inspect / check pump / motor operation, lubricate circulation pump, 1/12 HP	0.5	1.00 Ea.	\$8.03	\$10.04	74.0000	74	74	\$742.91	\$742.91
Insp/chk pump/mtr oper, lub, chk align circulation pump, 3 HP	0.5	1.00 Ea.	\$12.97	\$16.22	74.0000	74	74	\$1,200.32	\$1,200.32
Replace pump / motor assembly circulation pump, 3 HP	20	1.00 Ea.	\$11,915.74	\$13,640.93	1.8500	1	1	\$13,640.93	\$13,640.93
Replace old valve with new hose bibb	10	12.00 Ea.	\$747.66	\$915.36	3.7000	3	3	\$2,746.09	\$2,746.09
Overhaul water meter	13	2.00 Ea.	\$49.01	\$60.78	2.8462	2	2	\$121.56	\$121.56
Unclog floor drain	10	8.00 Ea.	\$2,621.53	\$3,250.05	3.7000	3	3	\$9,750.15	\$9,750.15
Clean out bucket floor drain with bucket	5	8.00 Ea.	\$2,355.04	\$2,945.23	7.4000	7	7	\$20,616.63	\$20,616.63
Insp/chk pump/mtr oper, lub, chk align, rainwater sump pump	1	2.00 Ea.	\$23.90	\$29.89	37.0000	37	37	\$1,105.82	\$1,105.82
Replace rainwater sump pump / motor assembly	20	1.00 Ea.	\$632.43	\$747.09	1.8500	1	1	\$747.09	\$747.09
Check and adjust 2 H.P. compressor	1	2.00 Ea.	\$169.33	\$211.76	37.0000	37	37	\$7,835.24	\$7,835.24
Replace 2 H.P. compressor	25	2.00 Ea.	\$8,472.35	\$9,839.63	1.4800	1	1	\$9,839.63	\$9,839.63
Replace oil filter housing	30	4.00 Ea.	\$247.67	\$299.06	1.2333	1	1	\$299.06	\$299.06
Repair feed water supply pump	15	1.00 Ea.	\$3,564.85	\$4,131.07	2.4667	2	2	\$8,262.14	\$8,262.14
Remove and replace 50 HP pump motor	25	2.00 Ea.	\$13,194.09	\$15,098.50	1.4800	1	1	\$15,098.50	\$15,098.50
Remove and replace asphalt curb or berm	10	84.00 L.F.	\$866.54	\$1,056.26	3.7000	3	3	\$3,168.79	\$3,168.79
Prepare & paint 100K gal. ground level water stor tank, 30' dia x 19' tall	10	1.00 Ea.	\$28,103.01	\$33,727.20	3.7000	3	3	\$101,181.60	\$101,181.60
Remove and replace fire hydrant	25	0.56 Ea.	\$4,526.49	\$5,223.87	1.4800	1	1	\$5,223.87	\$5,223.87
Cable inspection overhead service, splice	5	16.00 M.L.F.	\$708.63	\$887.81	7.4000	7	7	\$6,214.66	\$6,214.66
Replace 400W H.P.S. lamp, pole-mounted fixture	10	16.00 Ea.	\$1,781.10	\$2,123.33	3.7000	3	3	\$6,369.99	\$6,369.99

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
			\$158,983.75	\$185,828.29				MR Subtotal	\$348,575.10
								MR Per Year	\$9,420.95
								PM Total	\$2,379.13
								Subtotal	\$11,800.08
								Total Per Unit	\$11,800.08

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UM EA
Design Life 37
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	\$35.18	\$50.22	\$0.00	\$85.40	\$103.98	\$124.33
Valve, check, above 4", annualized	4.00	1.03	\$23.46	\$51.80	\$0.00	\$75.26	\$93.14	\$112.20
Valve, globe, above 4", annualized	4.00	0.64	\$23.46	\$32.07	\$0.00	\$55.52	\$67.49	\$80.63
Water heater, steam 2500 gal., annualized	1.00	1.55	\$143.56	\$77.97	\$0.00	\$221.53	\$259.28	\$304.20
Valve, pressure relief, above 4", annualized	4.00	0.59	\$22.44	\$29.78	\$0.00	\$52.22	\$63.40	\$75.70
Duplex sump, annualized	2.00	3.31	\$46.51	\$166.51	\$0.00	\$213.02	\$267.62	\$324.55
Storage tank, ground level, annualized	1.00	0.72	\$18.38	\$35.27	\$0.00	\$53.65	\$66.07	\$79.41
Water flow meter, turbine, annualized	2.00	1.18	\$37.93	\$56.95	\$0.00	\$94.88	\$115.75	\$138.53
Pump, turbine, well, annualized	1.00	5.69	\$207.27	\$276.25	\$0.00	\$483.52	\$587.12	\$701.09
Sewage lift, over 1 H.P., annualized	1.00	1.46	\$36.75	\$70.55	\$0.00	\$107.30	\$132.14	\$158.82
Fuel oil storage tank, above ground, annualized	1.00	3.28	\$20.29	\$158.95	\$0.00	\$179.24	\$228.95	\$279.68
						\$1,621.53	\$1,984.95	\$2,379.13

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Modeled Component List

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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.
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Valve, Non-Drain, 4"	1.0 Ea.
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Water Heater, Gas / Oil, 1150 GPH	1.0 Ea.
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Hose Bibb	12.0 Ea.
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Water Meter	2.0 Ea.
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Rainwater Sump Pump	1.0 Ea.
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Compressed Air Systems, Compressors, 2 H.P.	2.0 Ea.
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G30 Site Mechanical Utilities

Ground Level Water Storage Tank 100K Gallon	1.0 Ea.
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Fire Hydrants	0.56 Ea.
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Storage Tank Ground Level, annualized	1.0 Each
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Water Flow Meter, Turbine, annualized	2.0 Each
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Pump, Turbine, Well, annualized	1.0 Each
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Sewage Lift, annualized	1.0 Each
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Fuel Oil Storage Tank, annualized	1.0 Each
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G40 Site Electrical Utilities

Pole-Mounted Lamp 400W H.P.S.	16.0 Ea.
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Sustainment by Year
CostWorks Release 2021 Qtr 3

