

FAC 2242 TANK-AUTOMOTIVE PRODUCTION FACILITY

FY22 SUC: \$2.44 / SF
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3
component prices

FAC 2242 TANK-AUTOMOTIVE PRODUCTION FACILITY

SUC \$2.44

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM SF
Design Life 55
Average Size 1649.0

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
Replace unfinished concrete floor	75	14.40 C.S.F.	\$8,051.92	\$9,572.67	0.7333	0	0	\$0.00	\$0.00
Waterproof concrete block wall, 1st floor	10	30.00 C.S.F.	\$6,810.08	\$8,100.25	5.5000	5	5	\$40,501.25	\$40,501.25
Repair 12' x 12' steel roll-up door	10	1.00 Ea.	\$675.90	\$802.22	5.5000	5	5	\$4,011.08	\$4,011.08
Refinish 12' x 12' steel roll-up door	5	1.00 Ea.	\$203.45	\$249.19	11.0000	11	11	\$2,741.08	\$2,741.08
Replace 12' x 12' steel roll-up door	35	1.00 Ea.	\$2,703.58	\$3,208.87	1.5714	1	1	\$3,208.87	\$3,208.87
Total roof replacement fiberglass rigid, corrugated fiberglass panel roof	20	16.50 Sq.	\$14,027.41	\$16,698.45	2.7500	2	2	\$33,396.90	\$33,396.90
Repair solid core wood door, interior	11	2.00 Ea.	\$586.90	\$683.13	5.0000	5	5	\$3,415.64	\$3,415.64
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	2.00 Ea.	\$86.73	\$106.50	13.7500	13	13	\$1,384.49	\$1,384.49
Replace flush valve diaphragm tankless water closet	10	2.00 Ea.	\$52.44	\$65.07	5.5000	5	5	\$325.36	\$325.36
Rebuild flush valve tankless water closet	20	2.00 Ea.	\$360.87	\$434.91	2.7500	2	2	\$869.83	\$869.83
Unplug clogged line tankless water closet	5	2.00 Ea.	\$436.79	\$546.25	11.0000	11	11	\$6,008.79	\$6,008.79
Replace flush valve diaphragm for a urinal	7	2.00 Ea.	\$52.44	\$65.07	7.8571	7	7	\$455.50	\$455.50
Rebuild flush valve for a urinal	20	2.00 Ea.	\$360.87	\$434.91	2.7500	2	2	\$869.83	\$869.83
Unplug line urinal	5	2.00 Ea.	\$290.14	\$362.86	11.0000	11	11	\$3,991.41	\$3,991.41
Replace washer in spud connection lavatory, vitreous china	7	2.00 Ea.	\$32.93	\$40.16	7.8571	7	7	\$281.12	\$281.12
Replace washer in faucet lavatory, vitreous china	2	2.00 Ea.	\$25.77	\$32.10	27.5000	27	27	\$866.80	\$866.80
Replace faucets lavatory, vitreous china	10	2.00 Ea.	\$363.45	\$437.51	5.5000	5	5	\$2,187.55	\$2,187.55
Clean out strainer and P trap lavatory, vitreous china	2	2.00 Ea.	\$69.74	\$87.22	27.5000	27	27	\$2,354.83	\$2,354.83
Inspect and clean shower head emergency shower station	3	1.00 Ea.	\$49.39	\$61.77	18.3333	18	18	\$1,111.88	\$1,111.88
Replace shower emergency shower station	25	1.00 Ea.	\$941.97	\$1,129.12	2.2000	2	2	\$2,258.23	\$2,258.23
Clean floor drain w/o bucket	4	2.00 Ea.	\$234.63	\$293.44	13.7500	13	13	\$3,814.67	\$3,814.67
Replace floor drain w/o bucket	40	2.00 Ea.	\$4,321.43	\$4,959.73	1.3750	1	1	\$4,959.73	\$4,959.73
Maintenance and repair rectifier, up to 600 V	2	1.00 Ea.	\$686.80	\$818.18	27.5000	27	25	\$22,090.87	\$20,454.51
Replace rectifier, up to 600 V	20	1.00 Ea.	\$1,270.28	\$1,463.32	2.7500	2	2	\$2,926.64	\$2,926.64
Maintenance and repair secondary transformer, dry	10	1.00 Ea.	\$232.44	\$278.27	5.5000	5	5	\$1,391.33	\$1,391.33
Replace transformer 15 KVA	30	1.00 Ea.	\$3,370.89	\$4,008.55	1.8333	1	1	\$4,008.55	\$4,008.55
Maintenance and inspection lighting panel, indoor	3	1.00 Ea.	\$40.64	\$50.92	18.3333	18	18	\$916.59	\$916.59
Maintenance and repair breaker, molded case, 480 V, 1 pole	20	6.00 Ea.	\$430.58	\$539.45	2.7500	2	2	\$1,078.90	\$1,078.90
Maintenance and repair breaker, molded case, 480 V, 2 pole	20	1.00 Ea.	\$71.76	\$89.91	2.7500	2	2	\$179.82	\$179.82
Maintenance and repair safety switch general, 2 pole	8	1.00 Ea.	\$40.64	\$50.92	6.8750	6	6	\$305.53	\$305.53

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost	
Replace metal halide ballast, 175 W	10	4.00 Ea.	\$593.94	\$713.20	5.5000	5	5	\$3,566.02	\$3,566.02	
Replace metal halide fixture lamp, 175 W	5	4.00 Ea.	\$199.95	\$244.61	11.0000	11	11	\$2,690.76	\$2,690.76	
Repair smoke detector	10	4.00 Ea.	\$225.55	\$278.86	5.5000	5	5	\$1,394.28	\$1,394.28	
Check operation smoke detector	1	4.00 Ea.	\$64.78	\$81.16	55.0000	55	55	\$4,463.59	\$4,463.59	
Repair heat detector	10	4.00 Ea.	\$245.51	\$301.54	5.5000	5	5	\$1,507.69	\$1,507.69	
Check operation heat detector	1	4.00 Ea.	\$64.78	\$81.16	55.0000	55	55	\$4,463.59	\$4,463.59	
Check and repair manual pull station	10	4.00 Ea.	\$350.79	\$431.32	5.5000	5	5	\$2,156.61	\$2,156.61	
Replace fire alarm bell, 6"	20	4.00 Ea.	\$779.85	\$941.10	2.7500	2	2	\$1,882.20	\$1,882.20	
Maintenance and repair building structure ground	7	1.00 M.L.F.	\$87.89	\$109.79	7.8571	7	7	\$768.51	\$768.51	
			\$49,495.88	\$58,853.65				MR Subtotal	\$173,169.96	
									MR Per Year	\$3,148.54
									PM Total	\$868.06
									Subtotal	\$4,016.60
									Total Per Unit	\$2.44

FAC 2242 TANK-AUTOMOTIVE PRODUCTION FACILITYSUC \$2.44

Release 2021 Qtr 3UM SF

Zip Code Prefix 222Design Life 55

Type PMAverage Size 1649.0

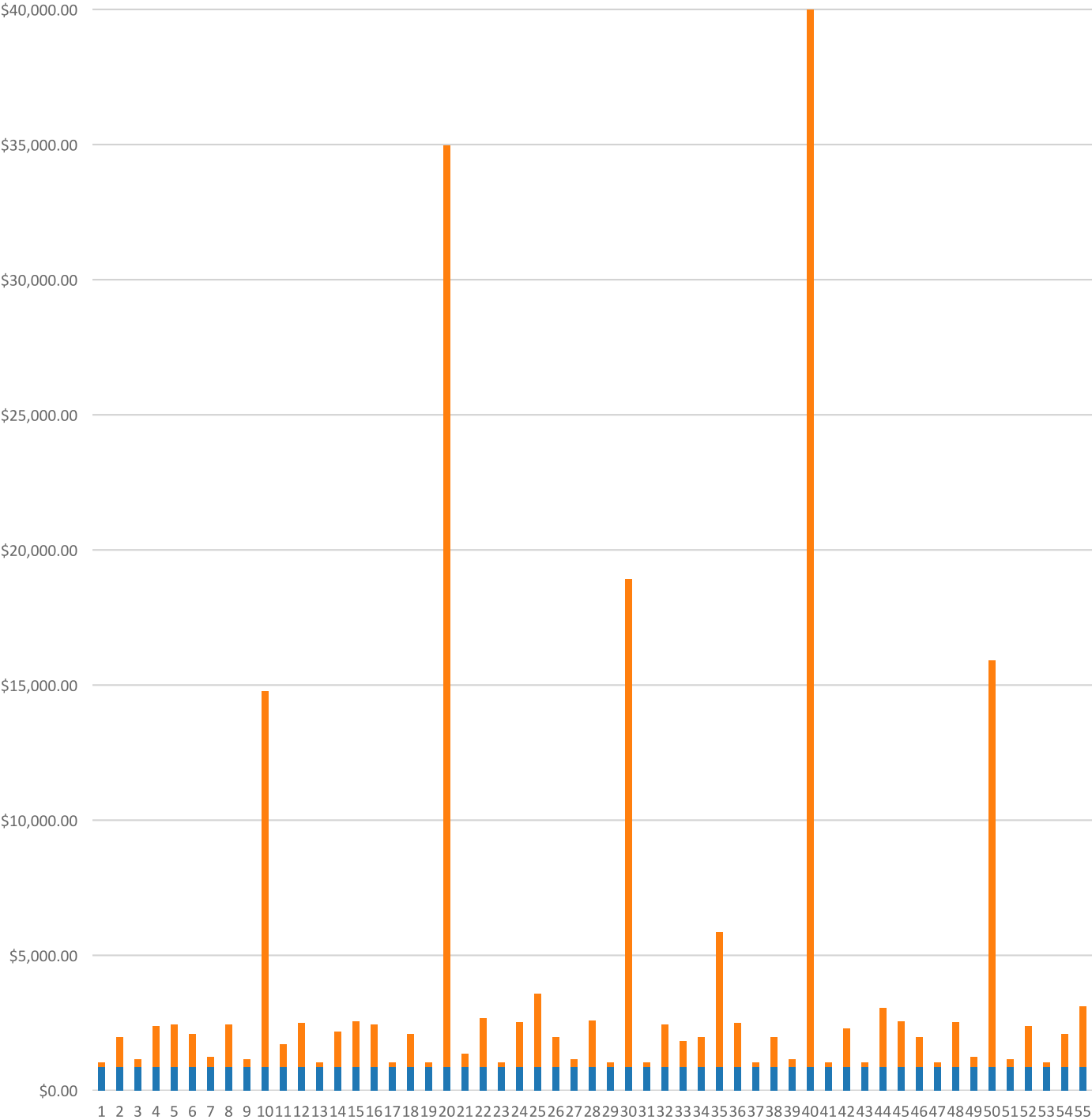
Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Urinals, annualized	2.00	0.46	\$12.64	\$22.91	\$0.00	\$35.54	\$43.68	\$52.45
Toilet (vacuum breaker type), annualized	2.00	0.35	\$16.88	\$17.80	\$0.00	\$34.68	\$41.71	\$49.58
Lavatories, annualized	2.00	0.70	\$11.93	\$41.41	\$0.00	\$53.34	\$66.95	\$81.16
Drink fountain, annualized	1.00	0.62	\$20.73	\$31.28	\$0.00	\$52.00	\$63.46	\$75.95
Fan, axial, up to 5,000 CFM, annualized	2.00	2.49	\$23.46	\$125.10	\$0.00	\$148.56	\$188.43	\$229.48
Crane, electric bridge, up to 5 ton, annualized	1.00	2.92	\$171.90	\$102.86	\$0.00	\$274.76	\$322.80	\$379.44
						\$598.87	\$727.03	\$868.06

FAC 2242 TANK-AUTOMOTIVE PRODUCTION FACILITY

Modeled Component List CostWorks Release 2021 Qtr 3

B20 Exterior Enclosure	
Steel Single, Roll-Up	1.0 Ea.
B30 Roofing	
Fiberglass Rigid, Steep Roofing	16.5 Sq.
D20 Plumbing	
Emergency Shower Station	1.0 Ea.
Floor Drain W/O Bucket	2.0 Ea.
D50 Electrical	
Rectifier, Up To 600 V	1.0 Ea.
Secondary Transformer, Dry, 15 KVA	1.0 Ea.
Load Center, 100 A, maintenance & inspection	1.0 Ea.
Fire Alarm Bell	4.0 Ea.
E10 Equipment	
Crane, Electric, up to 5 ton, annualized	1.0 Each

FAC 2242 TANK-AUTOMOTIVE PRODUCTION FACILITY
Sustainment by Year
CostWorks Release 2021 Qtr 3



PM Cost
MR Cost