

**FAC 4426    Storage Silo, Loose Material**

RCF:            \$26.84 SF

Source:        R.S. Means *Building Construction Cost Data Book, 2005*  
Line 13120-300-2300, Dome, 116 ft diameter  
Inflated using actual rates to FY-08; projected to FY-09 using Green Book  
In V12, Tri-Service and USACE PAX Newsletter values were updated while all  
other values were inflated only.

SUC:            \$0.86 SF

Source:        Cost Works model, inflated to FY-09 using Green Book Table 5-6 (O&M less DHP)  
Model follows:

Chart:         A chart showing relative annual sustainment requirements appears below:

**FAC 4426 Storage Silo, Loose Material**  
**CostWorks 2008 Quarter 2**

Design Life= 36  
Average S.F= 12,968

C.S.F=100 S.F; MSF=1000 S.F  
Sq=100 S.F; M.L.F=1000 L.F

This spreadsheet was exported  
from R.S. Means CostWorks

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.

Description	Frequency	Crew	Qty	Unit	Total In-House	Total Incl. O&P	Release	Occurrences In Design Life	Adjusted Occurrences	Terminal Cutoff
Point & refinish block wall - 1st floor	25	1 Bric	54.600	C.S.F.	20,283.35	24,903.06	2008 Qtr 2	1	1	\$ 24,903.06
Point & refinish block wall - 2nd floor	25	1 Bric	50.600	C.S.F.	22,151.67	27,173.72	2008 Qtr 2	1	1	\$ 27,173.72
Replace glass - 1st floor (1% of glass)	1	1 Carp	0.300	S.F.	2.72	3.19	2008 Qtr 2	36	36	\$ 114.70
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	1 Carp	0.600	Ea.	68.98	81.72	2008 Qtr 2	1	1	\$ 81.72
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	1 Carp	6.000	Ea.	2,631.60	3,077.94	2008 Qtr 2	0	0	\$ -
Repair steel, painted, door	14	1 Carp	0.200	Ea.	116.49	137.27	2008 Qtr 2	2	2	\$ 274.54
Refinish 3'-0" x 7'-0" steel, painted, door	12	1 Pord	2.000	Ea.	65.82	80.62	2008 Qtr 2	3	2	\$ 161.24
Replace 3'-0" x 7'-0" steel, painted, door	45	1 Carp	2.000	Ea.	1,064.16	1,240.08	2008 Qtr 2	0	0	\$ -
Debris removal by hand & visual inspection shingles	1	2 Rofc	12.900	M.S.F.	228.98	276.06	2008 Qtr 2	36	36	\$ 9,938.16
Minor asphalt shingle repair - (2% of roof area) shingles	1	2 Rofc	259.300	S.F.	897.18	1,073.50	2008 Qtr 2	36	36	\$ 38,646.07
Flashing repairs - (2 S.F. per sq. repaired) shingles	1	2 Rofc	5.100	S.F.	59.47	70.89	2008 Qtr 2	36	36	\$ 2,552.04
Install new shingles over existing shingles	20	2 Rofc	51.600	Sq.	9,122.36	10,823.62	2008 Qtr 2	1	1	\$ 10,823.62
Removal and replacement of shingles shingles	40	2 Rofc	51.600	Sq.	13,059.96	15,623.45	2008 Qtr 2	0	0	\$ -
Repair steel painted interior door	14	1 Carp	0.200	Ea.	33.55	39.63	2008 Qtr 2	2	2	\$ 79.26
Refinish 3'-0" x 7'-0" steel painted interior door	12	1 Pord	2.000	Ea.	98.80	121.64	2008 Qtr 2	3	2	\$ 243.28
Replace 3'-0" x 7'-0" steel painted interior door	60	1 Carp	2.000	Ea.	1,875.08	2,179.92	2008 Qtr 2	0	0	\$ -
Repair solid core wood door interior	11	1 Carp	0.400	Ea.	67.10	79.26	2008 Qtr 2	3	2	\$ 158.51
Refinish 3'-0" x 7'-0" solid core wood door interior	12	1 Pord	4.000	Ea.	168.88	207.92	2008 Qtr 2	3	2	\$ 415.84
Replace 3'-0" x 7'-0" solid core wood door interior	40	1 Carp	4.000	Ea.	1,466.80	1,700.48	2008 Qtr 2	0	0	\$ -
Repair 8" concrete block wall - (2% of walls) painted	25	1 Bric	0.200	C.S.F.	202.24	242.80	2008 Qtr 2	1	1	\$ 242.80
Refinish concrete block wall painted	8	1 Pord	152.000	C.S.F.	14,769.84	17,955.76	2008 Qtr 2	4	4	\$ 71,823.04
Replace 8" concrete block wall painted	75	2 Bric	152.000	C.S.F.	163,827.12	197,020.88	2008 Qtr 2	0	0	\$ -
Refinish concrete floor finished	25	2 Cefi	129.600	C.S.F.	45,287.42	54,521.42	2008 Qtr 2	1	1	\$ 54,521.42
Replace fire alarm bell, 6"	20	1 Elec	1.000	Ea.	142.28	171.51	2008 Qtr 2	1	1	\$ 171.51
Replace fluor. ballast for fluorescent lighting fixture, 80 W	10	1 Elec	194.000	Ea.	19,318.52	23,295.52	2008 Qtr 2	3	3	\$ 69,886.56
Replace lamps (2 lamps) fluorescent lighting fixture, 80 W	10	1 Elec	194.000	Ea.	4,935.36	6,048.92	2008 Qtr 2	3	3	\$ 18,146.76
Replace fixture fluorescent lighting fixture, 80 W	20	1 Elec	194.000	Ea.	34,547.52	41,731.34	2008 Qtr 2	1	1	\$ 41,731.34
Maintenance and repair receptacles and plugs	20	1 Elec	50.000	Ea.	1,554.50	1,936.50	2008 Qtr 2	1	1	\$ 1,936.50
Replace receptacle/plug receptacles and plugs	20	1 Elec	50.000	Ea.	2,638.00	3,221.00	2008 Qtr 2	1	1	\$ 3,221.00
Maintenance and repair wiring devices, switches	10	1 Elec	15.000	Ea.	466.35	580.95	2008 Qtr 2	3	3	\$ 1,742.85
Replace switch wiring devices, switches	15	1 Elec	15.000	Ea.	768.15	935.25	2008 Qtr 2	2	2	\$ 1,870.50
Check and repair manual pull station	10	1 Elec	1.000	Ea.	69.21	84.87	2008 Qtr 2	3	3	\$ 254.61
Replace manual pull station	15	1 Elec	1.000	Ea.	125.74	151.89	2008 Qtr 2	2	2	\$ 303.78
Repair smoke detector	10	1 Elec	26.000	Ea.	992.94	1,222.00	2008 Qtr 2	3	3	\$ 3,666.00
Check operation smoke detector	1	1 Elec	26.000	Ea.	296.40	371.80	2008 Qtr 2	36	36	\$ 13,384.80
Replace smoke detector	15	1 Elec	26.000	Ea.	4,928.30	5,901.74	2008 Qtr 2	2	2	\$ 11,803.48
					<b>\$368,332.83</b>	<b>\$444,288.11</b>				
									MR Subtotal	\$ 410,272.71
									MR Per Year	\$ 11,396.46
									PM Per Year	\$ 294.18
									Subtotal	\$ 11,690.64
									Total Per Unit	\$ 0.90

**CostWorks 2008 Quarter 2 - FAC 4426 Storage Silo, Loose Material**

Qty	Description	Bare Total	Total In-House	Total Incl. O&P	Zip Code Prefix	Type	Release
2.000	Door, emergency egress, swinging, annualized	86.16	99.02	115.02	200	FMR	2008 Qtr 2
6.000	Fire doors, swinging, annualized	119.70	149.34	179.16	200	FMR	2008 Qtr 2
		<b>\$205.86</b>	<b>\$248.36</b>	<b>\$294.18</b>			

FAC 4426 Sustainment by Year - Terminal Cutoff Applied

