

02 43 Structure Moving

02 43 13 – Structure Relocation

02 43 13.13 Building Relocation		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
0010 BUILDING RELOCATION							Labor	Equipment		
0011	One day move, up to 24' wide								11,500	11,500
0020	Reset on existing foundation				Total					
0040	Wood or steel frame bldg., based on ground floor area	G	B-4	185	.259	S.F.	12.25	2.78	15.03	21.50
0060	Masonry bldg., based on ground floor area	G	"	137	.350		16.55	3.75	20.30	28.50
0200	For 24'-42' wide, add				↓				15%	15%

02 56 Site Containment

02 56 13 – Waste Containment

02 56 13.10 Containment of Hazardous Waste

0010 CONTAINMENT OF HAZARDOUS WASTE										
0020	OSHA Hazard level C									
0030	OSHA Hazard level D decrease labor and equipment, deduct						45%	45%		
0035	OSHA Hazard level B increase labor and equipment, add						22%	22%		
0040	OSHA Hazard level A increase labor and equipment, add						71%	71%		
0100	Excavation of contaminated soil & waste									
0105	Includes one respirator filter and two disposable suits per work day									
0110	3/4 C.Y. excavator to 10' deep	B-12F	51	.314	B.C.Y.	1.81	17.10	17.15	36.06	46.50
0120	Labor crew to 6' deep	B-2	19	2.105		12.20	97		109.20	157
0130	6'-12' deep	"	12	3.333	↓	19.30	153		172.30	249
0200	Move contaminated soil/waste up to 150' on-site with 2.5 C.Y. loader	B-10T	300	.040	L.C.Y.	.31	2.22	2.14	4.67	6
0210	300'	"	186	.065	"	.50	3.58	3.46	7.54	9.65
0300	Secure burial cell construction									
0310	Various liner and cover materials									
0400	Very low density polyethylene (VLDPE)									
0410	50 mil top cover	B-47H	4000	.008	S.F.	.69	.48	.09	1.26	1.56
0420	80 mil liner	"	4000	.008	"	1.58	.48	.09	2.15	2.55
0500	Chlorosulfonated polyethylene									
0510	36 mil hypalon top cover	B-47H	4000	.008	S.F.	3.30	.48	.09	3.87	4.44
0520	45 mil hypalon liner	"	4000	.008	"	3.16	.48	.09	3.73	4.29
0600	Polyvinyl chloride (PVC)									
0610	60 mil top cover	B-47H	4000	.008	S.F.	1.10	.48	.09	1.67	2.02
0620	80 mil liner	"	4000	.008	"	1.57	.48	.09	2.14	2.54
0700	Rough textured H.D. polyethylene (HDPE)									
0710	40 mil top cover	B-47H	4000	.008	S.F.	1.15	.48	.09	1.72	2.07
0720	60 mil top cover		4000	.008		1.36	.48	.09	1.93	2.30
0722	60 mil liner		4000	.008		1.31	.48	.09	1.88	2.25
0730	80 mil liner	↓	3800	.008	↓	1.83	.50	.10	2.43	2.87
1000	3/4" crushed stone, 6" deep ballast around liner	B-6	30	.800	L.C.Y.	20.50	39.50	10.95	70.95	93.50
1100	Hazardous waste, ballast cover with common borrow material	B-63	56	.714		12.55	34	4.70	51.25	70
1110	Mixture of common borrow & topsoil		56	.714		16.40	34	4.70	55.10	74
1120	Bank sand		56	.714		21.50	34	4.70	60.20	79.50
1130	Medium priced clay		44	.909		35	43.50	6	84.50	110
1140	Mixture of common borrow & medium priced clay	↓	56	.714	↓	24	34	4.70	62.70	82