

Project: Spring Valley Lake Recovery Project

50% Opinion of Probable Construction Costs

Item	Quantity	Unit	Unit Cost	Installed Item Cost
Demo				
Bathroom	1	LS	6,000	\$6,000
Red Willows	0.49	AC	1,500	\$735
Narrow Leaf Willows	0.30	AC	1,500	\$450
Clear & Grubb Reservoir	32	AC	500	\$16,000
Clear & Grubb Downstream of Reservoir	5	AC	500	\$2,500
				\$25,685

Earthwork				
Cut	186,736	CY	5	\$933,680
Fill in Reservoir	82,528	CY	5	\$412,640
Fill in Road Section (assume 3-ft deep)	11,651	CY	7	\$81,557
Fill Downstream of Reservoir	88,156	CY	10	\$881,560
Fill in Road Section Downstream (assume 3-ft deep)	4,391	CY	13	\$57,083
Process Topsoil	3,861	CY	5	\$19,305
				\$2,385,825

Retaining Wall				
Top of Dam	5,600	SF	65	\$364,000
Upstream of Dam	1,875	SF	65	\$121,875
				\$485,875

Paving				
Class 6 Road Surfaces in Reservoir	104,860	SF	1.22	\$127,929
Class 6 Road Surfaces Downstream of Reservoir	52,520	SF	1.22	\$64,074
Asphalt		SF	10	
Concrete		SF	18	
				\$192,004

Permanent Erosion Control				
Rip Rap	26,247	SF	3.50	\$91,865
				\$91,865

Landscaping and Temporary Erosion Control				
Fine Sediment Filters	0.65	AC	10,700	\$6,902
Willows	0.87	AC	10,700	\$9,309
Trees	30	EA	1,500	\$45,000
Jute Netting	500,000	SF	0.14	\$70,000
Wattles	14,000	LF	1	\$18,620
Hydromulch Downstream of Dam	6.82	AC	4,400	\$30,008
Hydromulch Side Slopes in Reservoir	3.61	AC	4,400	\$15,884
				\$195,723

Dewatering				
Groundwater	1	LS	300,000	\$300,000
				\$300,000

Bypass Pumping				
Bypass Pumping	1	LS	100,000	\$100,000
				\$100,000

Manhole				
84" Diameter Stage 1	4	VF	2,500	\$10,000
84" Diameters Terminus	4	VF	2,500	\$10,000
				\$20,000

Pipe				
18" PVC for Dam Drain Valve to Wolf Creek	150	LF	155	\$23,250
18" PVC Bedding	40	CY	10	\$400
18" RCP	30,080	LB	0.36	\$10,829
18" RCP Bedding	43	CY	10	\$430
				\$34,909
			Total	\$3,831,884

Contractor OH&P	25%	\$957,971.10
Engineering (Design & Construction Services)	15%	\$574,782.66
Design & Construction Contingency	25%	\$957,971.10
	Grand Total	\$6,322,609