



Chester Reservoir Analysis &
Project No.: Remedial Repair Design
F&O No.: 20241433.A10

Calculated By: KB Date:
Checked By: DM Date: 04/27/26

Alternative: 2 Full Dam Removal
Unit Price List Date: VTrans 2-Yr Average Price List (November 2023-2025)

ESTIMATE DATA		Unit	Quantity	Unit Price	Cost
203.1500	Common Excavation		C.Y. 6,000	\$30.000	\$180,000.00
	Spillway Removal		C.Y. 200	\$150.000	\$30,000.00
	Dam Corewall Demo		C.Y. 200	\$250.000	\$50,000.00
					Subtotal (\$) \$260,000.00
					Contingency Items (50%) \$130,000.00
					Mobilization/Demobilization (10%) \$26,000.00
					Erosion Control and Traffic Control (5%) \$13,000.00
					Estimated Construction Costs Subtotal \$429,000.00
					Construction Engineering \$65,000.00
					Approximate Project Costs <u>\$500,000.00</u>

This is an order of magnitude cost estimate that is expected to be within -40 to +60 percent of the actual project cost. Fuss & O'Neill has no control over the cost of labor, materials, equipment or services furnished by others, or over the Contractor(s)' methods of determining prices, or over competitive bidding or market conditions. Fuss & O'Neill's opinion of probable Total Project Costs and Construction Cost are made on the basis of Fuss & O'Neill's experience and qualifications and represent Fuss & O'Neill's best judgment as an experienced and qualified professional engineer, familiar with the construction industry; but Fuss & O'Neill cannot and does not guarantee that proposals, bids or actual Total Project or Construction Costs will not vary from opinions of probable cost prepared by Fuss & O'Neill. If prior to the bidding or negotiating Phase the Owner wishes greater assurance as to Total Project or Construction Costs, the Owner shall employ an independent cost estimator.



Alternative: 3 New Lowered/ Widened Concrete Spillway

Unit Price List Date: VTrans 2-Yr Average Price List (November 2023-2025)

ESTIMATE DATA		Unit	Quantity	Unit Price Cost	
203.1500	Common Excavation		C.Y. 200	\$30.00	\$6,000.00
301.2600	Subbase of Crused Gravel, Fine Graded		C.Y. 50	\$80.00	\$4,000.00
541.2000	Concrete Spillway Class AA		C.Y. 10	\$18,250.00	\$182,500.00
613.1002	Stone Fill, Type II		C.Y. 100	\$150.00	\$15,000.00
649.3100	Geotextile under Stone Fill		S.Y. 150	\$8.00	\$1,200.00
				Subtotal (\$)	\$207,500.00
				Contingency Items (50%)	\$103,800.00
				Mobilization/Demobilization (10%)	\$20,800.00
				Erosion Control and Traffic Control (5%)	\$10,400.00
				Estimated Construction Costs Subtotal	\$343,000.00
				Construction Engineering	\$103,000.00
				Approximate Project Costs	<u>\$450,000.00</u>

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Calculated By: KB Date:
 Checked By: J. Fowler Date: 11/14/25

Alternative: 4 Spillway Repairs and Drop Inlet Pipe
 Unit Price List Date: VTrans 2-Yr Average Price List (November 2023-2025)

ESTIMATE DATA		Unit	Quantity	Unit Price	Cost
203.1500	Common Excavation		C.Y. 800	\$30.000	\$24,000.00
601.0825	96-Inch RCP Pipe, or box culvert		L.F. 80.0	\$2,800.000	\$224,000.00
	Concrete Outlet Structure with Trash Rack		EA. 1	\$80,000.000	\$80,000.00
Subtotal (\$)					\$328,000.00
Contingency Items (50%)					\$164,000.00
Mobilization/Demobilization (10%)					\$32,800.00
Erosion Control and Traffic Control (5%)					\$16,400.00
Estimated Construction Costs Subtotal					\$542,000.00
Construction Engineering					\$82,000.00
Approximate Project Costs					<u>\$630,000.00</u>

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