

**FOR
HORSESHOE LAKE - SLOPE FAILURE REPAIR
OPINION OF PROBABLE CONSTRUCTION COST**

HORSESHOE LAKE - SLOPE FAILURE AND SPILLWAY REPAIR REV

ITEM NO	DESCRIPTION OF ITEM	EST. QUANT.	UNIT	UNIT PRICE	TOTAL PRICE
1	Mobilization	1	LS	\$5,000.00	\$5,000.00
2	Clearing	2.5	Acres	\$2,000.00	\$5,000.00
3	Unclassified Excavation (field measure by cross section)	800	CY	\$10.00	\$8,000.00
4	Select Fill (Imported measured by compacted in place)	1350	CY	\$15.00	\$20,250.00
5	BX11 Geogrid	400	SY	\$5.00	\$2,000.00
6	Underdrain (Includes pipe, gravel and clean sand)	160	LF	\$60.00	\$9,600.00
7	Seed and Mulch All Disturbed Areas	2.5	ACRES	\$4,000.00	\$10,000.00
8	Erosion Control	1	LS	\$7,500.00	\$7,500.00
9	Remove Pressure Grout at Spillway - Reuse downstream	1	LS	\$15,000.00	\$15,000.00
10	Rip-Rap (new)	20	TON	\$60.00	\$1,200.00
11	24 Inch SaniTite HDPE Pipe	60	LF	\$120.00	\$7,200.00
12	Cut New Emergency Spillway (material to be reused as fill)	1	LS	\$1,000.00	\$1,000.00
13	ARMORMAX Erosion Protection	200	SF	\$30.00	\$6,000.00
14	Solid Sod	200	SY	\$5.00	\$1,000.00

Notes: Water elevation must be lowered 5 feet prior to starting construction. **TOTAL \$98,750.00**
 Prices to include all tax and fees.
 Payment will be made based on delivered quantities, contractor must verify testing agency measured prior to covering.
 Unclassified excavation to be placed in washes on downstream side of dam at Engineers discretion.
 Select Fill: Clayey Sand (SC) with PI between 5-15 maximum 40% passing a 200 sieve.
 Seed and Mulch per specifications.
 Underdrain clean sand shall have <10% passing #200 sieve.
 Underdrain gravel - #56 or #57 washed gravel.
 Contractor responsible for construction layout.
 Owner responsible for construction materials testing.
 Contractor responsible for erosion control until vegetation established.
 Clearing debris must be hauled off or burned, burn permit subject to county approval. Burn permit contractor's responsibility.
 Existing rip rap at spillway to be reused downstream of pipe discharge.

PREPARED BY:
PRECISION ENGINEERING CORP.