

Kicking Horse Whitewater Park and Habitat Improvements Preliminary Cost Estimate (all values given in US Dollars) 11-Feb-09					
Item Number	Description	Estimated Quantity	Unit	Unit Price	Item Total Price
1	Mobilization to include costs for bonding, insurance, traffic control, staging, etc.; no measurement for payment shall be made of any of the work, materials and equipment used for mobilization.	1	L.S.	\$20,000	\$20,000
2	Water Control (will depend on permitting requirements)	1	L.S.	\$23,000	\$23,000
Phase 1 Improvements					
3	Structures #3-#6 Deflectors. Includes rock acquisition, excavation, placement, grouting, backfill, pool excavation	1400	cubic yards grouted rock	\$65	\$91,000
4	Structure #7-"U" Structure. Includes rock acquisition, excavation, placement, grouting, backfill, pool excavation	855	cubic yards grouted rock	\$65	\$55,575
5	Large random boulders, 8' diameter	20	each	\$400	\$8,000
6	Bank Terracing	920	L.F.	\$50	\$46,000
7	Large cobble pool lining	1700	cubic yards	\$20	\$34,000
8	10-foot wide concrete trail	1020	L.F.	\$50	\$51,000
9	Landscaping and Restoration	1	L.S.	\$30,000	\$30,000
10	Miscellaneous equipment hours	70	hours	\$120	\$8,400
Subtotal					\$366,975
11	Contingency	12%			\$44,037
Total					\$411,012
12	Final Design, Construction Administration, Permitting	18%			\$73,982
Project Total					\$484,994
Possible Future Phase 2 Improvements					
13	Mobilization to include costs for bonding, insurance, traffic control, staging, etc.; no measurement for payment shall be made of any of the work, materials and equipment used for mobilization.				
14	Water Control (will depend on permitting requirements)				
15	Structure #1-Detached Wave Stimulator: Includes rock acquisition, excavation, placement, grouting, backfill, pool excavation				
16	Structure #2-"U" Structure below existing dam. Includes rock acquisition, excavation, placement, grouting, backfill, pool excavation				
17	Large random boulders, 8' diameter				
18	Large cobble pool lining				
19	Landscaping and Restoration				
20	Miscellaneous equipment hours				
21	Final Design, Construction Administration, Permitting				
General Notes:					
A) does not include pedestrian trail underpass.					
B) Assumes all rock is within a 45 kilometer radius.					