

**Preliminary Cost Estimate:**

Conceptual Approach

Streambank soil erosion repairs and restoration along selected portions of stretch #10 within Portage Creek. This work includes engineering, permitting, excavation, grading, bioengineering, and re-vegetation.

Description	Qty.	Unit	Unit Cost	Cost
<b><i>Portage Stretch 10 - Limited Streambank Bioengineering</i></b> 673 ft x 2 streambank restoration (i.e., excavation, grading, root wads, log deflectors, willow stakes, erosion control blankets, etc.)	1,346	ft	\$40	\$53,840
<b><i>Portage Stretch 10 - Streambank Vegetative Buffers</i></b> 5378 ft x 2 vegetative buffer (20 ft width)	2.5	ac	\$2,500	\$6,250
mulch netting erosion controls	6,050	sq yd	\$2	\$12,100

Subtotal	\$72,190
Contingency (20%)	\$14,438
Engineering Fees (10%)	\$8,663
<b>Estimated Total</b>	<b>\$95,291</b>