

Preliminary Cost Estimate:

Conceptual Approach

Streambank soil erosion repairs and restoration along stretch #7 of Portage Creek. This work includes engineering, permitting, excavation, grading, bioengineering, and re-vegetation.

Description	Qty.	Unit	Unit Cost	Cost
<i>Portage Stretch 7 - Streambank Bioengineering</i> 1,685 ft x 2 streambank restoration (i.e., excavation, grading, root wads, log deflectors, willow stakes, erosion control blankets, etc.)	3,370	ft	\$40	\$134,800
<i>Portage Stretch 7 - Streambank Vegetative Buffers</i> 1,685 ft x 2 vegetative buffer (20 ft width)	2	ac	\$2,500	\$3,750
mulch netting erosion controls	3630	sq yd	\$2	\$7,260

Subtotal	\$145,810
Contingency (20%)	\$29,162
Engineering Fees (10%)	\$17,497
Estimated Total	\$192,469