

Option 1

Preliminary Cost Estimate – Full Removal of Dam

Removal of Truax Dam

Municipality of Brockton

October, 2016

16-018

This is a preliminary cost estimate to remove the entire Truax Dam. This estimate is based on actual construction costs to remove similar (but smaller) concrete dams on the Beaver River (Haines Dam - 2016) and the North Saugeen River (Lockerby Dam – 2015)

The Truax Dam is approximately 105 m long. The Haines Dam was approximately 40 m long and the Lockerby Dam was approximately 20 m long.

Contractor Costs

Mobilization and Demobilization	\$ 60,000.00	
Initial removal of east end of dam to partially drain headpond	\$ 30,000.00	
Modifications / restoration to east end of dam (including fishway removal) and rip rap	\$ 50,000.00	
Prepare west river bank for removal of dam from west side	\$ 35,000.00	
Break out concrete components and remove dam from site	\$ 200,000.00	
Restore west river bank including rip rap	\$ 80,000.00	
	SUB-TOTAL	\$455,000.00

Add 15% contingency	\$ 70,000.00
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	TOTAL	\$ 525,000.00
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Engineering

Work Permit Application, Engineering Surveys and Design, Drawings, Contract Drawings, Tendering and Supervision	\$ 70,000.00
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	TOTAL	\$ 600,000.00
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Less Potential Grant of \$ 250,000.00 (from DFO or other funding partner)	(\$ 250,000.00)
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Net Cost Estimate	\$ 350,000.00
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NOTE: Above cost assumes that no sediment management or removal required for cobble sediment located upstream of dam.

