

Option 2

Preliminary Cost Estimate – Part Removal of Dam

Removal of Truax Dam

Municipality of Brockton

October, 2016

16-018

This is a preliminary cost estimate to remove the east half of the 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. This estimate assumes that only the easterly 60 m of the dam is removed.

Contractor Costs

Mobilization and Demobilization	\$ 40,000.00	
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	\$ 10,000.00	
Break out concrete east portion of dam and recycle clean concrete for base of west bank access area	\$ 60,000.00	
Develop west river bank access area, including placement of large rip rap stone revetment	\$ 70,000.00	
	SUB-TOTAL	\$260,000.00
Add 20% contingency	\$ 50,000.00	
	TOTAL	\$ 310,000.00

Engineering

Work Permit Application, Engineering Surveys and Design, Drawings, Contract Drawings, Tendering and Supervision	\$ 70,000.00	
	TOTAL	\$ 380,000.00

Less Potential Grant of \$ 200,000.00 (from DFO or other funding partner) (\$ 200,000.00)

Net Cost Estimate **\$ 180,000.00**

NOTE: Above cost assumes that no sediment management or removal required for cobble sediment located upstream of dam.

