



Niagara River

Basis of Estimates.

Locks,

Length, 400 feet
Width, 80 "
Width of gates, 60 "
Depth mitre-sill, 21 "
Lift, in general, 18 "
Same model as the
1881 lock on St. Mary's
Falls Canal, Mich.

Cuttings,

Depth of Canal, $20\frac{1}{2}$ feet.
Width at bottom, 100 "

18 miles

17 m.

16 m.

15 m.

14 m.

13 m.

Rock

Canal bottom, 296 feet above Lake Ontario.

Estimate of Cost,

With single locks, \$24,201,550.

With nine double locks, \$29,347,900.

Niagara River

25 miles

24 m.

23 m.

22 m.

21 m.

20 m.

19 m.

Down line

Canal bottom, 300 feet

Estimate of Cost,

With single locks, \$23,617,900.

Double locks not needed.

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