

5 ESTIMATE AND PARTICULARS

OF

THE SHUBENACCADIE NAVIGATION.

The TOTAL LENGTH of the NAVIGATION from the WATERS of HALIFAX HARBOUR to the MOUTH of SHUBENACCADIE RIVER in the BASIN of MINES, is 53 miles 1021 yards, and by the River Course nearly SIXTY Miles. The whole Navigable by Sea-going Vessels of 100 Tons, or drawing 8 feet. There are 16 LOCKS.

The AGGREGATE LOCKAGE, from Tide Waters at Halifax to medium High tides in the Basin of Mines is

Ascending 95 feet 10 inches

Descending 95 4

in all 191 feet 2 inches.

The CANAL LINE is divided into FOUR SECTIONS, as follows:

FIRST SECTION

BEGINS in Halifax Harbour, at *High Water Surface of Medium Tides*, with Tide Lock of 9 feet depth of water; and *Rises* into Dartmouth Lake by five Locks, 62 feet 1 inches, which distance is 1210 yards.

Estimated Expense:

Tide Lock, No. 1, rise 15 feet 4 inches, at £240, per foot	£3600	0	0
No. 2, 13 6	3120	0	0
No. 3, 13 6	3120	0	0
No. 4, 13 6	3120	0	0
Dam Head at Lock No. 4,	851	10	0
Two Road Drawbridges, £200,	400	0	0
		14211	10 0
Ten 1/2 Cent. for Contingencies		1421	3 0
		£15632	13 0

Expense per Contract:

Lock No. 5, rise 13 feet 6 inches, including Excavation of Lock Pit	3120	0	0
Raising Dam Head, Dartmouth Lake	174	0	0
Excavation at lower extremity of Lock, 1139 yards, at 1s. 3d	89	18	9
	3383	18	9
Ten 1/2 Cent. for Contingencies	338	7	9
		3722	6 6

TOTAL EXPENSE of FIRST SECTION, 1210 yards long £19354 19 6

Lock No. 5, will be completed by the 31st of October, 1829

SECOND SECTION

BEGINS at South end of Dartmouth Lake, *passes* through the same one mile and 1340 yards, and *rises* into Lake Charles, THE SUMMIT LEVEL, by two Locks, 26 ft. 6 in. over a distance of 1529 yards in length.

Expense per Contract.

Excavation and Embankment, 91,929 yards, at 1s. 3d.	£5715	11	3
Retaining Walls, 1320 yards, lineal	660	0	0
Lock, No. 6, rise 13 feet 6 inches, £230,	2900	0	0
No. 7, 13	2900	0	0
	£12385	11	3
Ten 1/2 Cent. for Contingencies, and removing all obstructions at Narrows of Dartmouth Lake	1238	11	1
		13624	2 4
Extra for Excavation of 9909 yards of continued Rock, at 5s.		2477	15 0

TOTAL EXPENSE of SECOND SECTION, comprehending the space of 3 miles, 331 yds. £16161 17 4

This Section is on the point of completion. The Lock Gates are hung.