

presented at the last Session of the Dominion Parliament, and a Report addressed to the Hon. the Minister of Public Works, on the 18th January, 1882, by Mr. F. Foster Bateman, M. Inst. C. E., Engineer for the projectors. Besides these I have been favored with personal explanations by Mr. James Shearer, the originator of the Scheme, and by Mr. Bateman.

PROPOSED WORKS.

The main features of the Scheme as set forth in the Bill and in Mr. Bateman's Report, are an embankment dam across the main Channel of the St. Lawrence, from the Montreal abutment of the Victoria Bridge to St. Helen's Island, and a high level Bridge across the remaining part of the River between St. Helen's Island and the East or St. Lambert Shore.

The embankment is intended to be "76 feet wide at the top, with a solid masonry wall on the river or upper side, and will be left on the Harbour side in an unfinished condition, at a slope from 3 to 1, until such time as the requirements of the Harbour of Montreal may necessitate from time to time the finishing of portions on that side."

"A highway 30 feet wide, with a trottoir 10 feet wide, and a double track of rails will run along the embankment. The top of the masonry wall on the outer or river side of the embankment, at the point at which it starts (the north-west corner of the west abutment of Victoria Bridge) will be of the same height as that abutment, or about 30 feet above the ordinary level of the St. Lawrence. It will run thence to St. Helen's Island, rising gradually to a height of 60 feet above the ordinary water level, which height it will attain when it arrives at the point at which the proposed bridge will commence."

"The embankment will be provided with three series of controlling sluices. These sluices will be capable of passing into the Harbour 486 million cubic feet of water