

1. Existing Water Routes.

- (1) St. Lawrence Basin above Quebec, 407,700 square miles, of which 58.4% is Canadian Territory and remainder U.S.A.
- (2) On North. Hudson Bay Basin - Divide 200 ft. above Lake Superior.
- (3) On South. Mississippi Basin - Divide less than 10 ft. above the level of Lake Michigan.
- (4) Hudson River Basin - South and East of Lake Ontario, Allegheny Plateau and Catskill Mountains.
- Western Pass Lake Oneida - Mohawk River.
Adirondack Mountains.
- Eastern Pass Richelieu River - Lake Champlain -
Hudson River. Green Mountains.
- Western Pass New York Central & West Shore Railways.
New York State Barge Canal.
- Eastern Pass Delaware and Hudson Railway.
Chambly-Richelieu-Champlain-Hudson
Waterway.
- (5) Navigation on Great Lakes unrestricted. Limiting conditions of depth, width, curvature and current in short channels connecting them.
- (6) Lake Superior-Lake Huron. St. Mary's River-5 locks in parallel - maximum depth 24 ft. - Traffic 1923 91 million tons (which is over double Suez and Panama combined).
- (7) Lake Huron - Lake St. Clair - Lake Erie. Present depth 19.5 feet- 94.6 miles, of which 28.6 is submarine channel - no locks.
- (8) Lake Erie - Lake Ontario. Niagara Escarpment. Welland Canal - depth 14 feet - length 26.75 miles - Locks 26.
- (9) Lake Erie - Hudson River. Erie Canal - depth 12 feet nominal - 388.4 miles - 36 locks.
- (10) Lake Ontario - Erie Canal. Oswego Canal - 3 locks - 24 miles, thence 140.9 miles to Hudson River.
- (11) Lake Ontario to Montreal. St. Lawrence Canal - depth 14 ft. length 46 miles - total distance 180.5 miles - 21 locks.
- (12) Montreal to Sea. - depth 30 ft. - distance to Quebec 160 miles of which 63.3 miles is submarine channel.
- (13) Richelieu 7 feet, Chambly 6.5 feet. Hudson 12 feet.

2. Welland Ship Canal.

4 Single Locks.
Flight of 3 Double Locks.
1 Guard Lock.
each 850 feet long, 60 feet wide, 30 feet on sills,
Lift 46 feet. Total Lift 326 feet.
Channels 25 feet - new contracts 27 feet.
Can later be dredged to 30 feet - Total length 27 miles
Date of opening 1928.

Terminals Port Colborne and Port Weller.
Capacity 25 million tons. Season 225 days.
Costs to date \$62.5 million.
Estimated total \$115. (exclusive of interest).
Interest during construction. \$ 46.

Total. \$161,000,000