

Jordan Harbour - QEW Bridge

LEA Consulting Ltd. provided structural engineering design services for a new five span bridge required as part of the replacement of existing bridges for the Queen Elizabeth Way highway on the Niagara Peninsula in Ontario, Canada.

The bridge provides small craft navigation clearance to Jordan Harbour from Lake Ontario. Several water piers required design for large sheet ice forces from Lake Ontario. The bridge was successfully completed in 1994.



Completed bridge deck.



Girder detail at the concrete piers.

PROJECT SUMMARY

Client:
**Ministry of Transportation,
Ontario**

Location:
20 Mile Creek, Ontario, Canada

Services Provided:
Structural Engineering

Cost:
\$ 2 Million

Completion Date:
1994