

St. Lawrence Seaway Bridge (Canada)



Project description

Linking Lake Ontario to Lake Erie, The Welland Canal cuts 42 km across Canada's Niagara Peninsula from Port Colborne to Port Weller. A series of eight locks lift and lower vessels 100 meters and enables maritime commerce to bypass Niagara Falls.

Located adjacent to Lock 2, the St. Lawrence Seaway Bridge is also named as route 83 or Carlton Street. The length of the structure is 80 meter and it is supported by a total of five spans.

mageba scope

The flexible plug expansion joint system, POLYFLEX®ADVANCED PU, is a complete new development based on elastic polymers and a further development of the traditional asphaltic plug joint, whereby disadvantages of the traditional bituminous plug joint (e. g. debonding, plastic deformation, rutting, overload due to standing traffic, etc.) can be eliminated and increasing the durability greatly.

Highlights & Facts

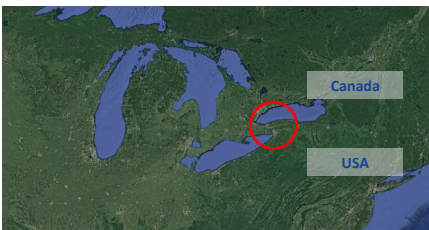
mageba products:

Type:	POLYFLEX®ADVANCED PA30
Features:	+20/-10 mm movement Support ribs
Installation:	2017

Structure:

City:	St. Catharines
Country:	Canada
Type:	CIP Concrete
Length:	80 m
Built:	2017
Owner:	St. Lawrence Seaway
Contractor:	Rankin Construction

The Welland Canal links Lake Ontario to Lake Erie near the Niagara Falls



Typical joint section detail, a total of four joints will be replaced in this project



Installation of the POLYFLEX®ADVANCED PA30 expansion joint and support ribs

