

London's Tridge at the Forks of the Thames River

Offered by the City of London

Background:

The Forks of the Thames River presents us with some unique opportunities in its geographic location and its proximity to London's downtown core. There has been much discussion on riverfront revitalization, on how to bring more public focus to the Thames River and to change from having buildings with their backs facing the river and that instead to turn around and have developments directly face the river.

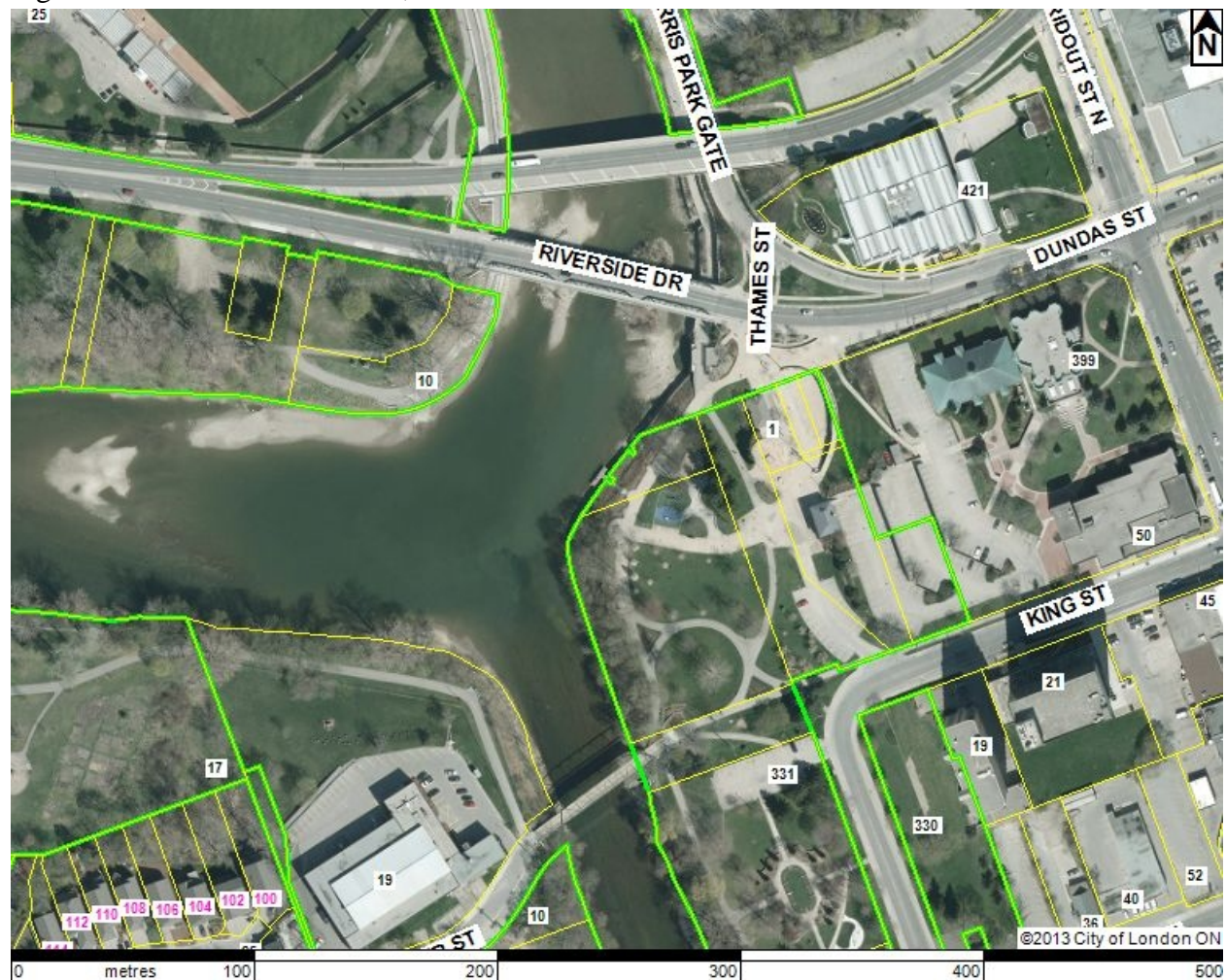
<http://www.lfpress.com/2014/06/09/river-redevelopment-plan-supported>

What if, as a new focal point we built a three legged bridge at the Forks of the Thames? This three legged approach would link the existing multiuse pathway at this new "tridge". A three legged or "Y" bridge.

This is not a completely new concept and there is one that has been built in Midland Michigan.

[http://en.wikipedia.org/wiki/The_Tridge_\(Midland,_Michigan\)](http://en.wikipedia.org/wiki/The_Tridge_(Midland,_Michigan))

Figure 1 – Forks of the Thames, London Ontario



Project Objective:

To develop, design and project costs for a three legged pedestrian and cycling (multiuse pathway) bridge at the Forks of the Thames River in downtown London, Ontario.

Design Criteria:

The design must be in accordance with all applicable design standards.

Being able to withstand and to pass high volumes of water (and debris carried by high water flow) during river flooding events will be a key component of the design.

Accommodating or moving existing utilities and or park amenities (such as the Blackburn Memorial Fountain) will need to be addressed.

Due regard will need to be given to the existence of any endangered species in the vicinity as per the Endangered Species Act.

http://www.mnr.gov.on.ca/en/Business/Species/2ColumnSubpage/MNR_SAR_ENDNGR_SPC_TBSCS_EN.html

Must be accessible to both pedestrians and cyclist and conform to the Accessibility for Ontarians with Disabilities Act (2005).

http://www.mcass.gov.on.ca/en/mcass/programs/accessibility/understanding_accessibility/aoda.aspx

Project Deliverables: Design Brief, Drawings, Cost Estimate. The Design Brief shall identify the solution approach adopted, discuss its effectiveness and identify any negative issues and means for their mitigation. The Drawings shall detail the solution completely. The cost estimate will include capital and maintenance costs.