



## Stormwater Retrofit and Road Re-surfacing – Lakeview Neighbourhood Improvement

2009 - 2012

### Project Overview

In early 2009, residents in the Lakeview community expressed concerns about the poor condition of the road drainage system. This neighbourhood, which was developed in the 1950s, was experiencing roadside ditches with insufficient capacity and standing water in some locations, and portions of ditches with steep side slopes that were difficult to maintain.

The City of Mississauga's Transportation and Works Department, in partnership with Credit Valley Conservation, initiated a project to improve the ditch system to address the poor drainage issues while also enhancing water quality treatment and beautifying the street. As an alternative to deep excavation and the high cost of conventional storm sewers, the City and CVC used low impact development (LID) practices to provide stormwater treatment and apply environmentally responsible approaches to road rehabilitation.

The design aimed to address areas with standing water and surface flooding. Existing ditch and culvert systems were replaced with boulevard bioretention installations and permeable pavement sections along the street. These attractive, retrofitted ditches will provide sufficient drainage and help to alleviate potential surface flooding while improving water quality and encouraging infiltration at a lower cost than conventional drainage construction.

### Benefits

- Establish a low-cost Low Impact Development demonstration showcase for future road projects;
- Slow runoff rates and improve the quality of stormwater entering creeks and Lake Ontario;
- Improve water conveyance and eliminate standing water in the ditches;
- Enhance the overall aesthetic appearance of streetscape;
- Make ditches easier to maintain.

### Funding

By taking staff time, external labour, equipment and materials into consideration, the total cost of the Lakeview project including the planning, design and construction phases totalled approximately \$892,500. The project was funded by the City through municipal taxes.

### Project Schedule

- Site Assessment, Public Consultation and Design: 2009-2010
- Construction: 2012

For more information:  
[mississauga.ca/portal/stormwater/programsandservices](http://mississauga.ca/portal/stormwater/programsandservices)