

Dufferin Bridge No. 10

(Southgate Bridge No. S1)



Photograph by Melissa Davies, 2012

General Information	Physical Details
Bridge No. MC1	Type: Through Truss
Ownership: County of Dufferin Township of Southgate	Span: Single
Construction Date: 1920	Dimensions: 25.6m x 6m (LxW)
Water Crossing: Grand River	Materials: Steel, Timber, Concrete



Evaluation Form		Check
Design/Physical Value		
I. Is a rare, unique, representative or early example of a style, type, expression, material or construction method		✓
II. Displays a high degree of craftsmanship or artistic merit		
III. Demonstrates a high degree of technical or scientific achievement		
Historic/Associative Value		
I. Has direct association with a theme, event, belief, person, activity, organization, or institution that is significant to the community		
II. Yields, or has the potential to yield, information that contributes to an understanding of the community or culture		✓
III. Demonstrates or reflects the work or ideas of an architect, artist, engineer, builder, designer or theorist who is significant to a community		
Contextual Value		
I. Is important in defining, maintaining or supporting the character of an area		✓
II. Is physically, functionally, visually or historically linked to its surroundings		✓
III. Is a landmark		

General Description

Dufferin Bridge No. 10 is located on Melancthon-Proton Townline, 1.04 km north of Highway 89 on the border of the Township of Melancthon in Dufferin County and the Township of Southgate in Grey County. It was constructed in 1920 and is the only remaining steel truss bridge in the Township of Melancthon.

Dufferin Bridge No. 10 is a truss frame structure with a timber deck and curb. It is supported by seven longitudinal and four transverse riveted steel I-beams. Remnant abutments from a previous structure remained on either side of the current bridge and they were incorporated into the newer abutments, although they bear no weight.

Melancthon-Proton Townline dramatically skews around the Grand River to the northwest to allow the bridge the shortest span possible. This was done in an effort to reduce construction costs, as it was more affordable to build a straight bridge, rather than a skewed bridge.

East Garafraxa Bridge 8 remains largely unaltered, undergoing railing improvements in 1994 and restoration work in 1997. This bridge is considered a rare survivor due to the increasing occurrence of steel truss bridges being demolished but not replaced in the watershed and province-wide.

Sources: *Dufferin County Grand River Bridge List*
County of Dufferin OSIM Report
Southgate Bridge Inspections, 2010
2010 Southgate Municipal Bridge Appraisal

