

Lot 122, German Company Tract

West View



East View



Spies Bridge, Lot 122 German Company Tract

Location Woolwich Twp. Rd. 5 (now Sideline 18), 0.15 km south of the intersection with Twp. Rd. 6 (Floradale Road).

General Information

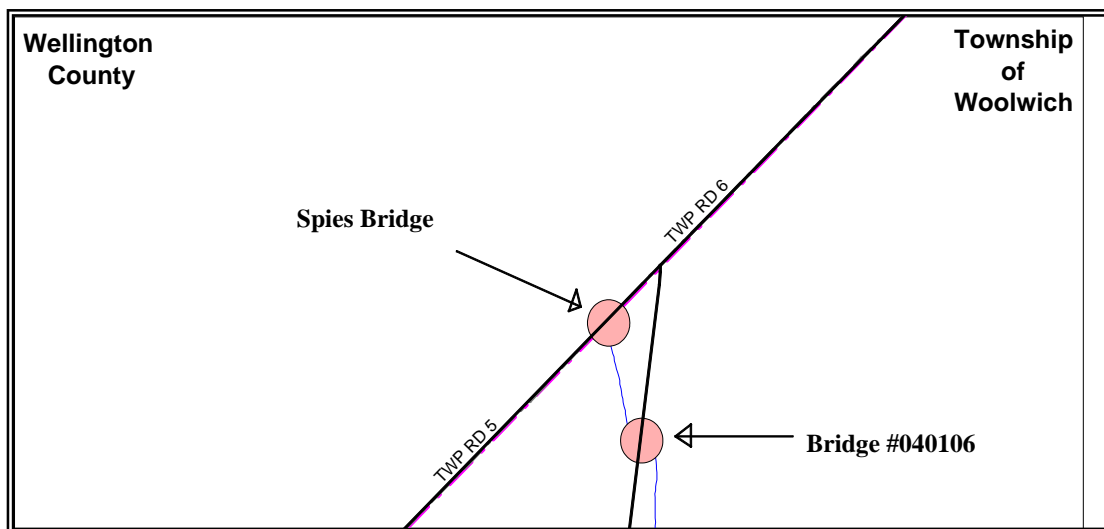
<i>Bridge No.</i>	010105
<i>Jurisdiction</i>	Township of Woolwich
<i>Year built</i>	1945
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Rigid Frame
<i>Spans</i>	1
<i>Dimensions</i>	Length 10.7 m Width 7.1 m
<i>Load Limit</i>	15 tonnes

Descriptive details

This is a single span rigid frame bridge. It was formerly structure #00001. It is in better condition than Bridge #40106 since fewer cars use this bridge.



Spies Bridge, Lot 122 German Company Tract

North View



North West View



Bridge #17

Location Twp. Rd. 3 West (now Deborah Glaister Line), west of Kingwood, Township of Wellesley.

General Information

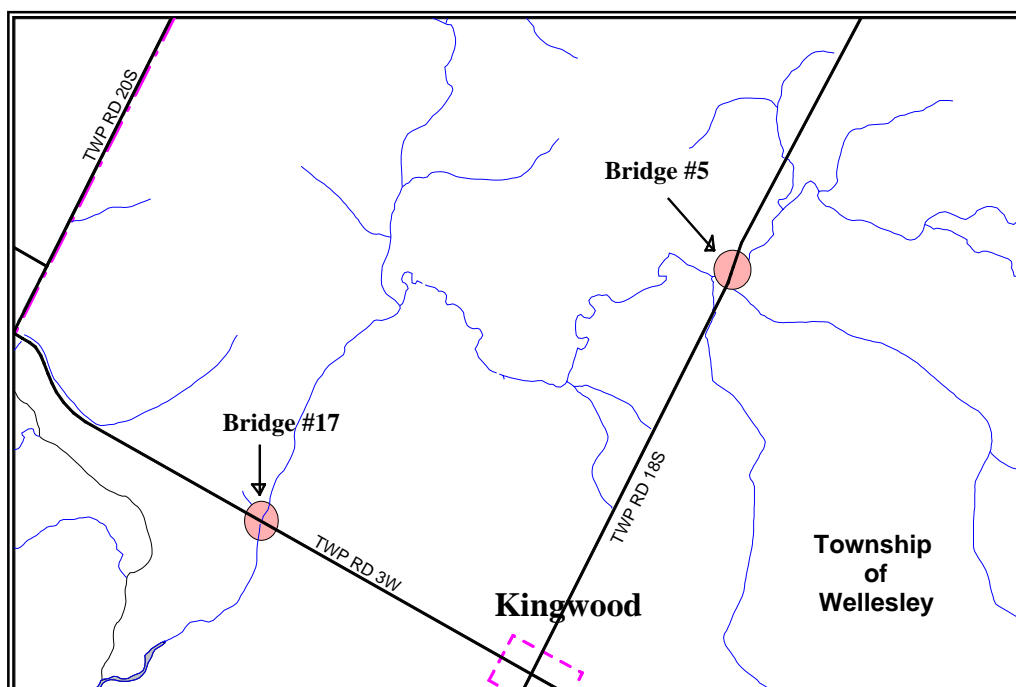
<i>Bridge No.</i>	17
<i>Jurisdiction</i>	Township of Wellesley
<i>Year built</i>	1946
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Concrete Arch
<i>Spans</i>	1
<i>Dimensions</i>	Length 30 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span concrete arch bridge. This bridge is unique, although it is similar to the concrete earth-filled arch (Floradale Bridge and Schuett Bridge). Over the abutments the railings are made of concrete. Over the arch the railings are made of metal. The abutments of a previous bridge can be seen to the south through the arch in the following photographs.



Bridge #17

South View



Close-up of previous bridge abutments



Bridge #9

Location Township Road 12 North (now Hutchinson Road), south of Linwood, Township of Wellesley.

General Information

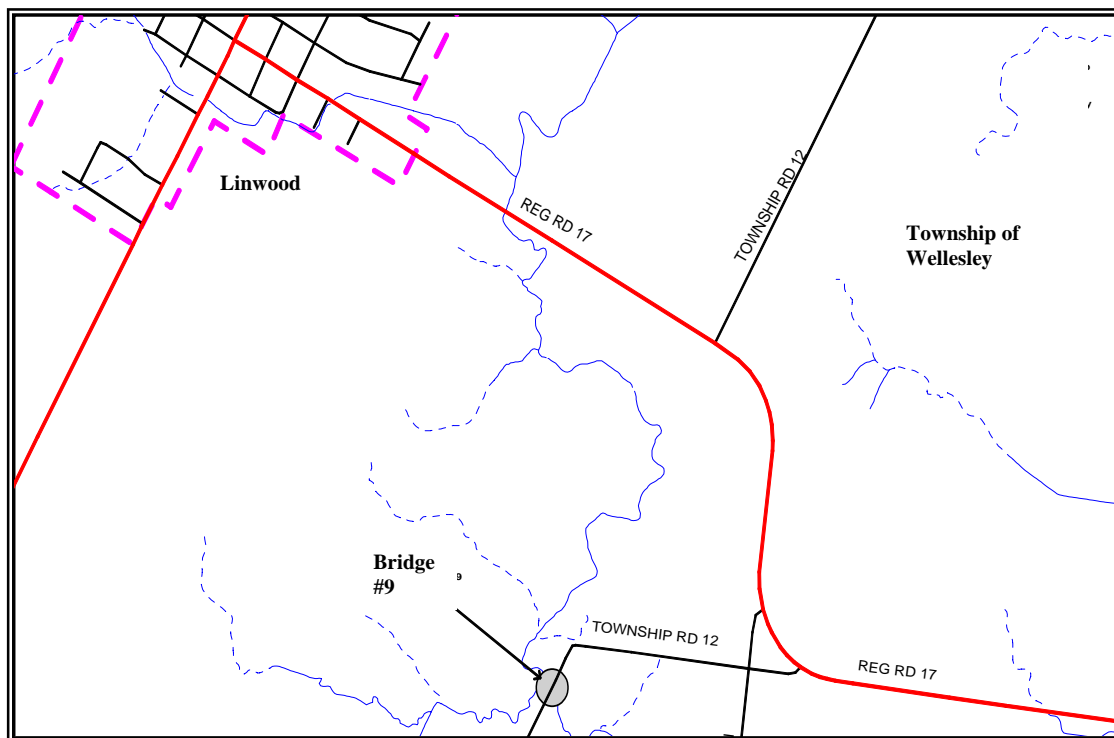
<i>Bridge No</i>	9
<i>Jurisdiction</i>	Township of Wellesley
<i>Year built</i>	1948
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Rigid Frame
<i>Spans</i>	1
<i>Dimensions</i>	Length 10 m Width 5 m
<i>Load Limit</i>	None posted

Descriptive details

This is a very slender rigid frame bridge. The deck and abutments of a rigid frame bridge are constructed as one unit. The concrete railings are in very poor condition.



Bridge #9

Eroded Railings



West View



Bridge #13

Location Township Road 5 West (now Streicher Line), north-east of Kingwood, Township of Wellesley.

General Information

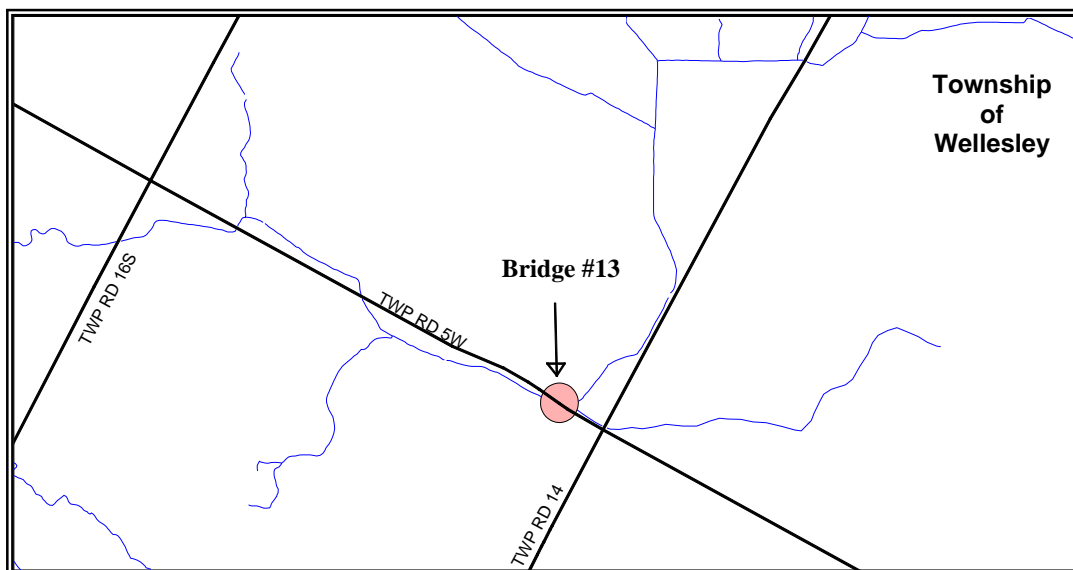
<i>Bridge No.</i>	13
<i>Jurisdiction</i>	Township of Wellesley
<i>Year built</i>	1948
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Rigid Frame
<i>Spans</i>	1
<i>Dimensions</i>	Length 7 m Width 5 m
<i>Load Limit</i>	10 tonnes

Descriptive details

This is a single span rigid frame bridge. Broken concrete pieces of a previous bridge lie to the north of Bridge #13. Four small, privately owned bridges dot the driveways along Road 5 (Streicher Line).



Bridge #13

North West View



North View



Eden Creek Bridge

Location MTO Site No. 33-125, Regional Road No. 50 (now Northumberland Street, Regional Road No. 58), north of Ayr, Township of North Dumfries.

General Information

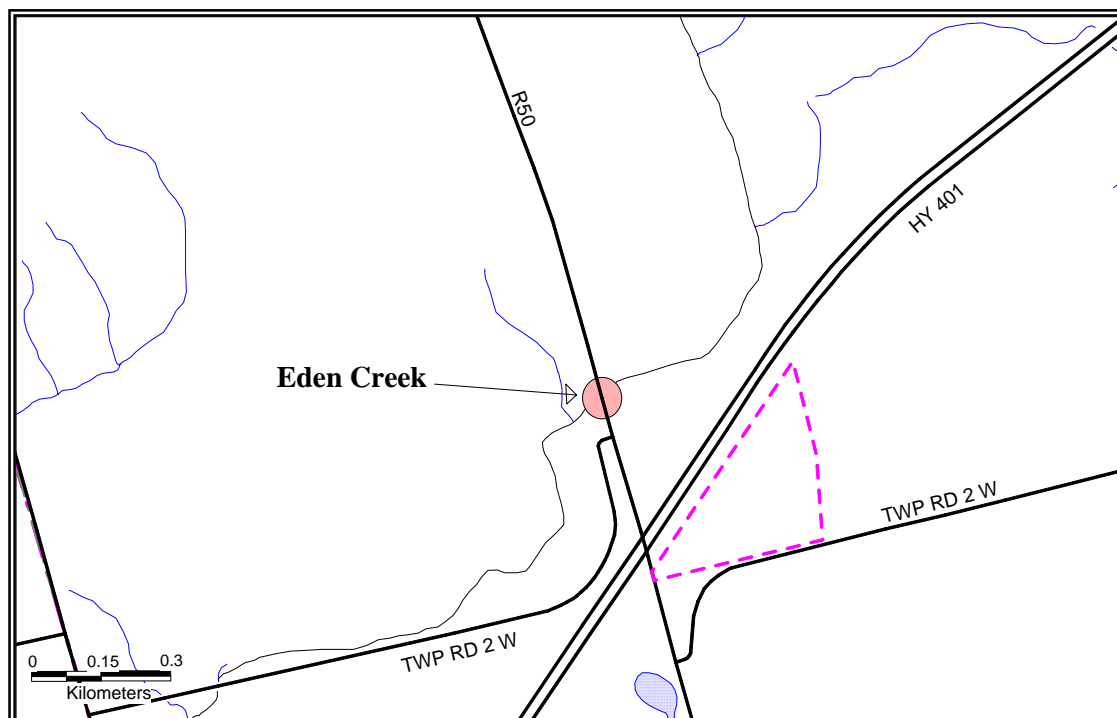
<i>Bridge No.</i>	005001
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1950
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Rigid frame
<i>Spans</i>	1
<i>Dimensions</i>	Length 6.1 m Width 12.2 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span concrete rigid frame bridge. The bridge is covered with approximately 200 mm of fill with a paved roadway surface. The bridge has been widened approximately 3 m to the east and west with a concrete open footing structure. It possesses a steel beam guide rail. It spans a length of 6.1 m with a deck width of 12.2 m over Eden Creek north of Ayr.



Eden Creek Bridge

South View



East View



Ellis Creek Bridge

Location MTO Site No. 33-212, Kossuth Road, 0.2 km east of Beaverdale Road, Lot 89, German Company Tract, north part of the City of Cambridge.

General Information

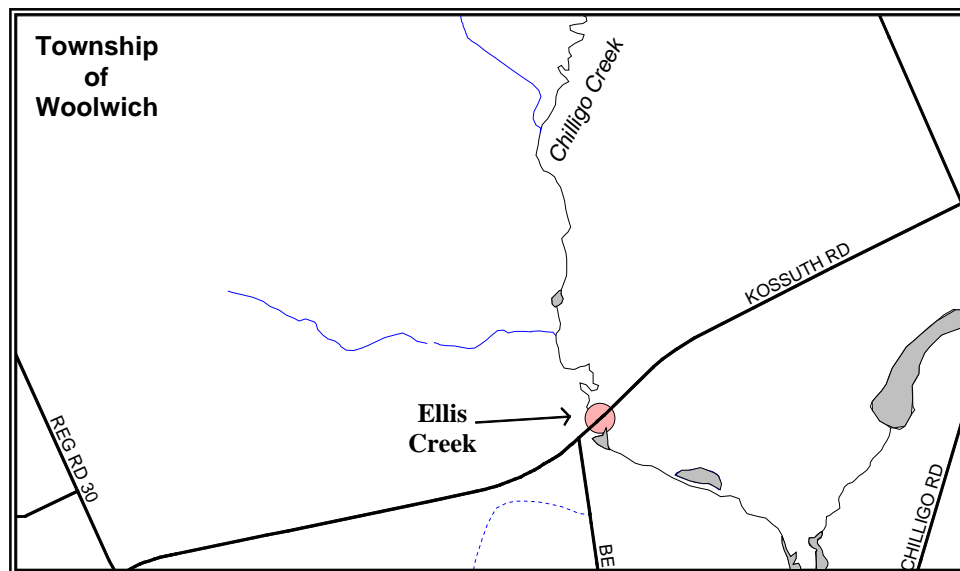
<i>Bridge No.</i>	003101
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1950
<i>Drawings</i>	Regional HQ

Physical Components

<i>Type</i>	Rigid frame
<i>Spans</i>	1
<i>Dimensions</i>	Length 7.3 m Width 9.7 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span concrete rigid frame bridge with an asphalt wearing surface. The bridge crosses the Chilligo Creek in the north end of Hespeler. This bridge has been well maintained. The road barrier is a standard concrete wall which appears to have been replaced in the recent past. Golf courses surround this bridge along with a fair number of pedestrian bridges that look quite old.



Ellis Creek Bridge

South View



North View



Lot 22, Concessions I and II

Location Huron Road, 0.2 km east of Haysville Road, Lot LL, Concessions I and II, Block A, west of Haysville, Township of Wilmot.

General Information

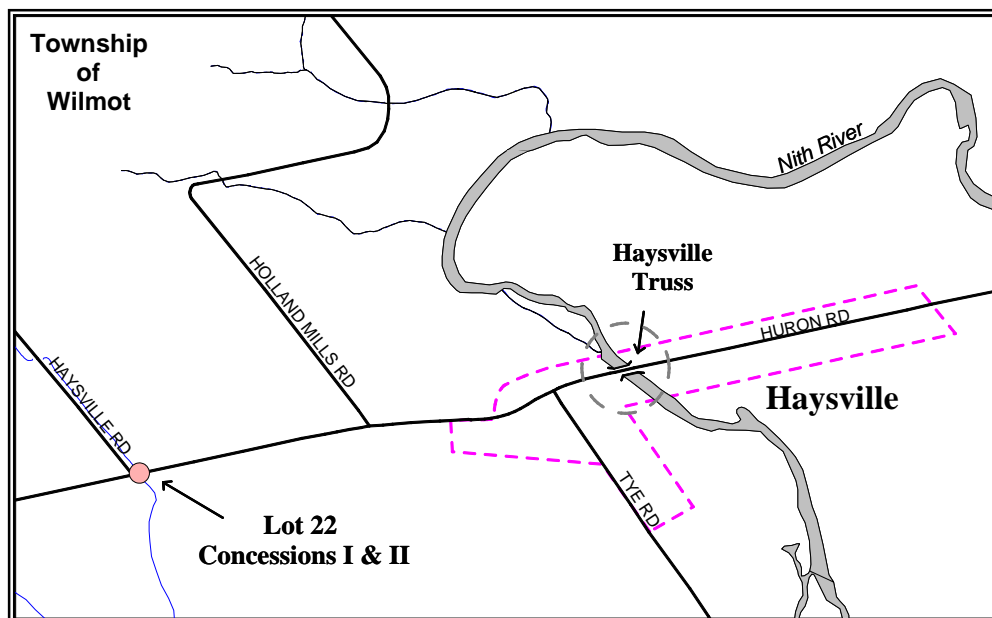
<i>Bridge No.</i>	000204
<i>Jurisdiction</i>	Township of Wilmot
<i>Year built</i>	1950
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Concrete slab
<i>Spans</i>	1
<i>Dimensions</i>	Length 3.1 m Width 20.7 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span concrete bridge with a solid deck slab. The bridge is covered with approximately 200 mm of fill with a paved roadway surface. The existing structure has been widened approximately 5 m to the north and south. The abutments have been heavily eroded.



Lot 22, Concessions I and II

South View



Mill Creek Bridge, North Dumfries

Location North Dumfries Township Road 17 (now Shellard Road), south of Gore Road, east of Cambridge, Township of North Dumfries.

General Information

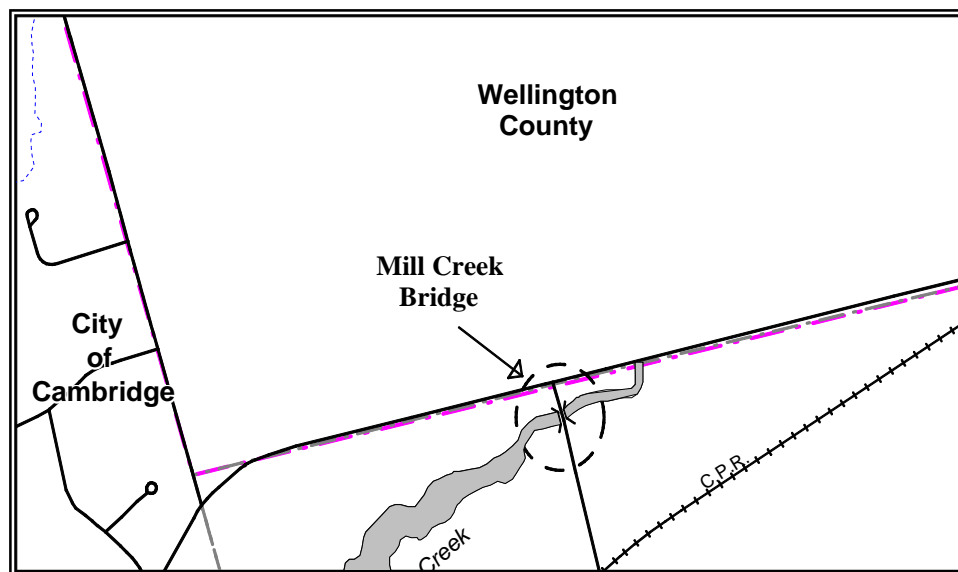
<i>Bridge No.</i>	N/A
<i>Jurisdiction</i>	Township of North Dumfries
<i>Year built</i>	Pre-1950
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	I-Beam and Concrete
<i>Spans</i>	1
<i>Dimensions</i>	Length 27 feet Width 22 feet
<i>Load Limit</i>	None posted

Descriptive details

There are four I-beam and concrete bridges in the Region. The other three bridges were built in the 1930's (Huron Road Bridge, Bridge #10, Bridge #12). This bridge is surrounded by marshland, especially to the east, which could explain why it is such a low-level bridge.



Mill Creek Bridge, North Dumfries

South West View



West View



Vanier Drive Bridge

Location Vanier Drive, 0.03 km south of Shelley Drive, City of Kitchener.

General Information

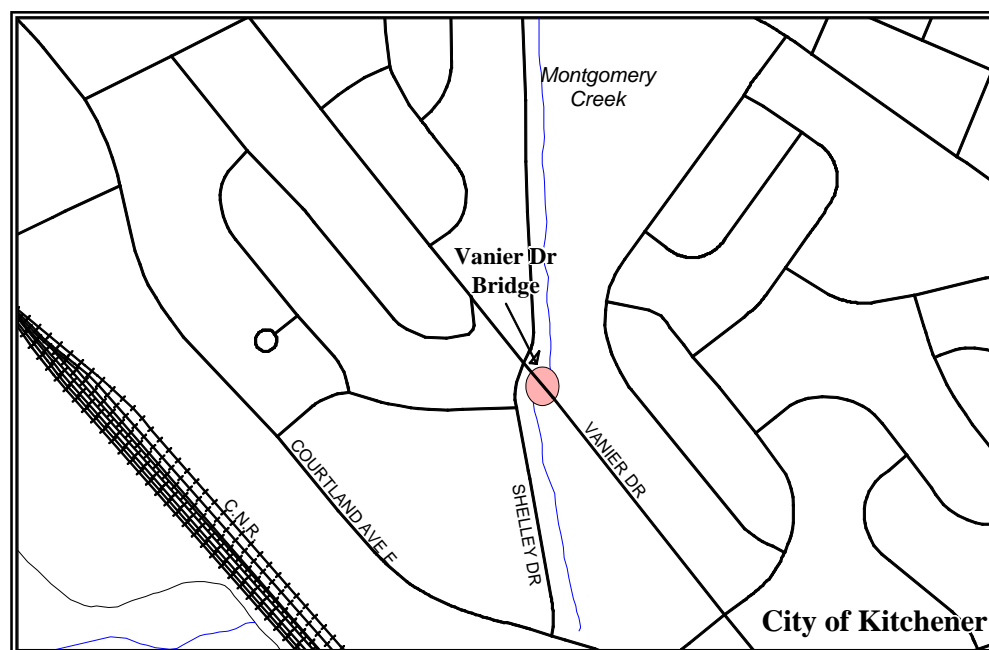
<i>Bridge No.</i>	000835
<i>Jurisdiction</i>	City of Kitchener
<i>Year built</i>	1950
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Concrete Slab
<i>Spans</i>	1
<i>Dimensions</i>	Length 4.0 m Width 19.7 m
<i>Load Limit</i>	None posted

Descriptive details

This is a concrete slab bridge. It possesses steel vertical handrails and is covered with approximately 200 mm of fill with a paved roadway surface. Vanier Drive is located deep within a suburban area.



Vanier Drive Bridge

West View



South West View



Section 2



Post-1950 Bridges

Shade Street Bridge

Location Shade Street, New Hamburg, Township of Wilmot.

General Information

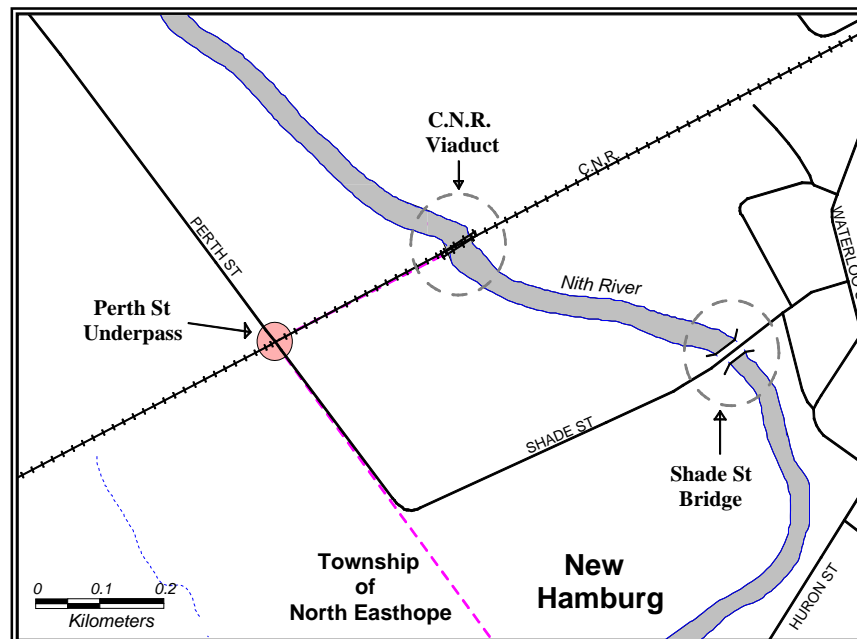
<i>Bridge No.</i>	20015
<i>Jurisdiction</i>	Township of Wilmot
<i>Year built</i>	1953
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Through Truss
<i>Spans</i>	1
<i>Dimensions</i>	Length 46.9 m Width 10.4 m
<i>Load Limit</i>	None posted

Descriptive details

This bridge is plaqued as the “D.J. Emery Bridge”. D.J. Emery was the Waterloo County Engineer from 1932 until his death in 1953. The bridge was built by the Canadian Bridge Company. This bridge is similar in design to the Hartman Bridge but sturdier. It was repainted in 1985.



Shade Street Bridge

West View



South View



Blair Bridge

Location Fountain Street, City of Cambridge.

General Information

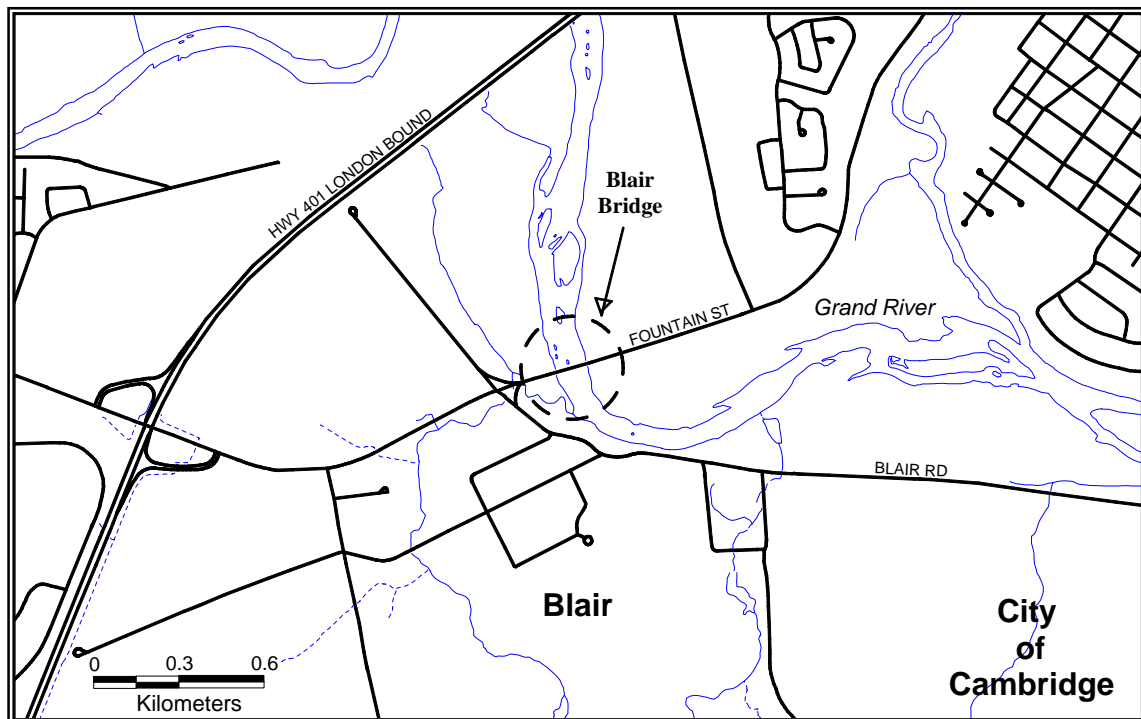
<i>Bridge No.</i>	N/A
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1957
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Cast in place concrete
<i>Spans</i>	3
<i>Dimensions</i>	Not known
<i>Load Limit</i>	None posted

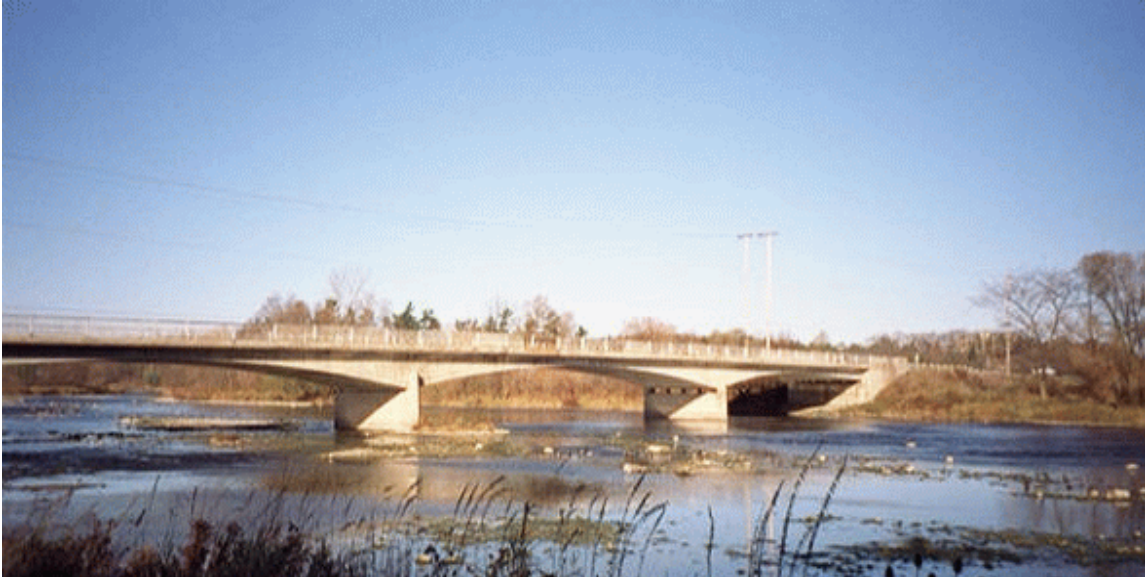
Descriptive details

Blair Bridge was officially opened on December 12, 1957 and dedicated to Joseph A. Armstrong. The engineer who designed the bridge was D.M. Jordon, the consulting engineer was M.M. Dillon, and the contractor was R.A. Blyth.



Blair Bridge

North View



East View



Speedsville North Bridge

Location Speedsville Road, south of the 401, City of Cambridge.

General Information

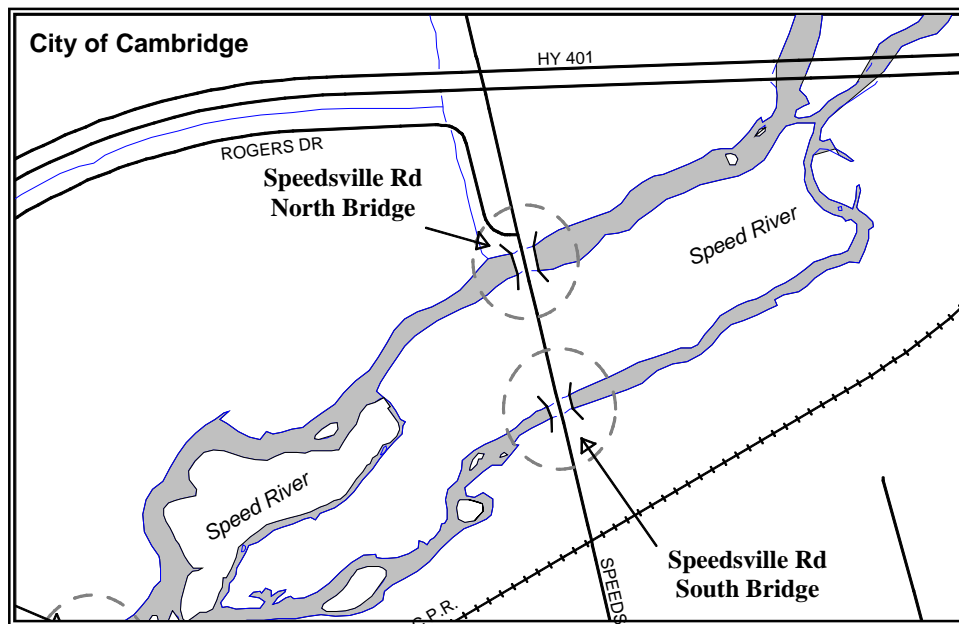
<i>Bridge No.</i>	N/A
<i>Jurisdiction</i>	City of Cambridge
<i>Year built</i>	1959
<i>Drawings</i>	City of Cambridge

Physical Components

<i>Type</i>	Concrete T-beams
<i>Spans</i>	2
<i>Dimensions</i>	Length 30 m Width 10 m
<i>Load Limit</i>	Not posted

Descriptive details

This is a two-span concrete T-beam bridge. Unique metal drain pipes were installed in 1982. The green oxidization of the metal suggests that it contains some copper. The repair drawings from 1982 suggest that this was the year in which the ownership was passed from the Region to the City of Cambridge.



Speedsville North Bridge

North East View



East View



Speedsville South Bridge

Location Speedsville Road, 0.35 km north of Thorman Drive, north end of Cambridge.

General Information

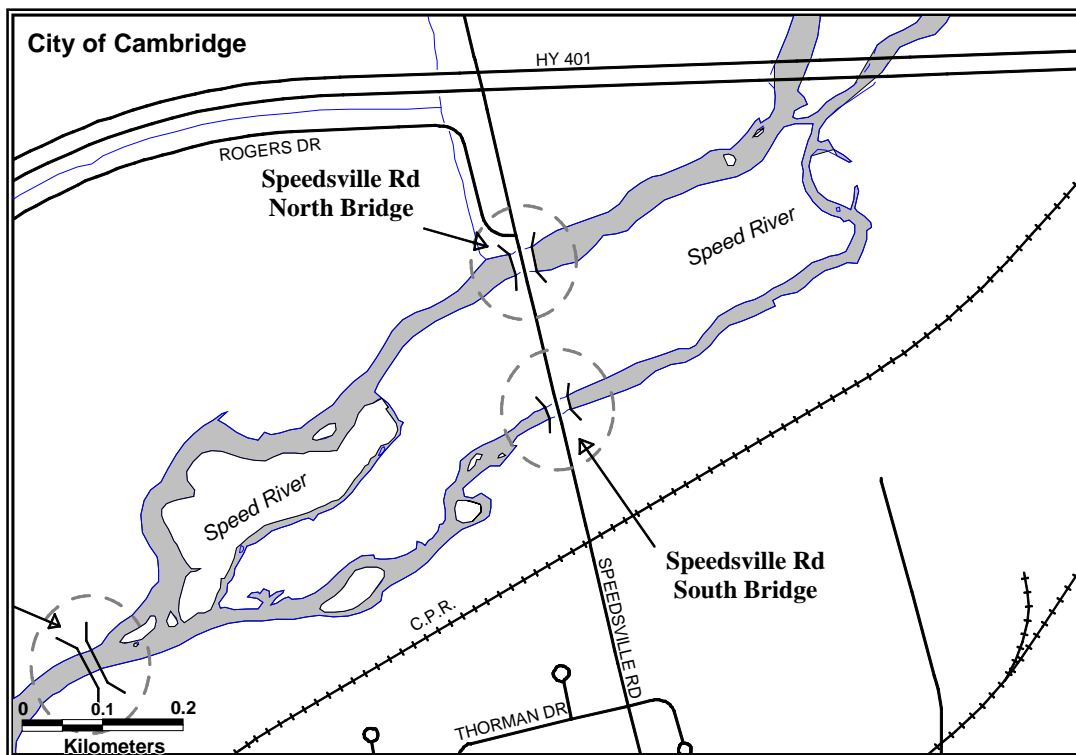
<i>Bridge No.</i>	N/A
<i>Jurisdiction</i>	City of Cambridge
<i>Year built</i>	1959
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Concrete T-beams
<i>Spans</i>	2
<i>Dimensions</i>	Length 30 m Width 10 m
<i>Load Limit</i>	Not Posted

Descriptive details

This is a two span concrete T-beam bridge. Speedsville North and South are identical bridges and were constructed at the same time.



Speedsville South Bridge

North East View



South View



Mennonite Bridge

Location MTO Site No. 033-0194, Woolwich Twp Rd. 21 (now Three Bridges Road), 0.61 km west of Twp. Rd. 32 (Henry Street), Pl 40 & L 10 GCT, west of St. Jacobs, Township of Woolwich.

General Information

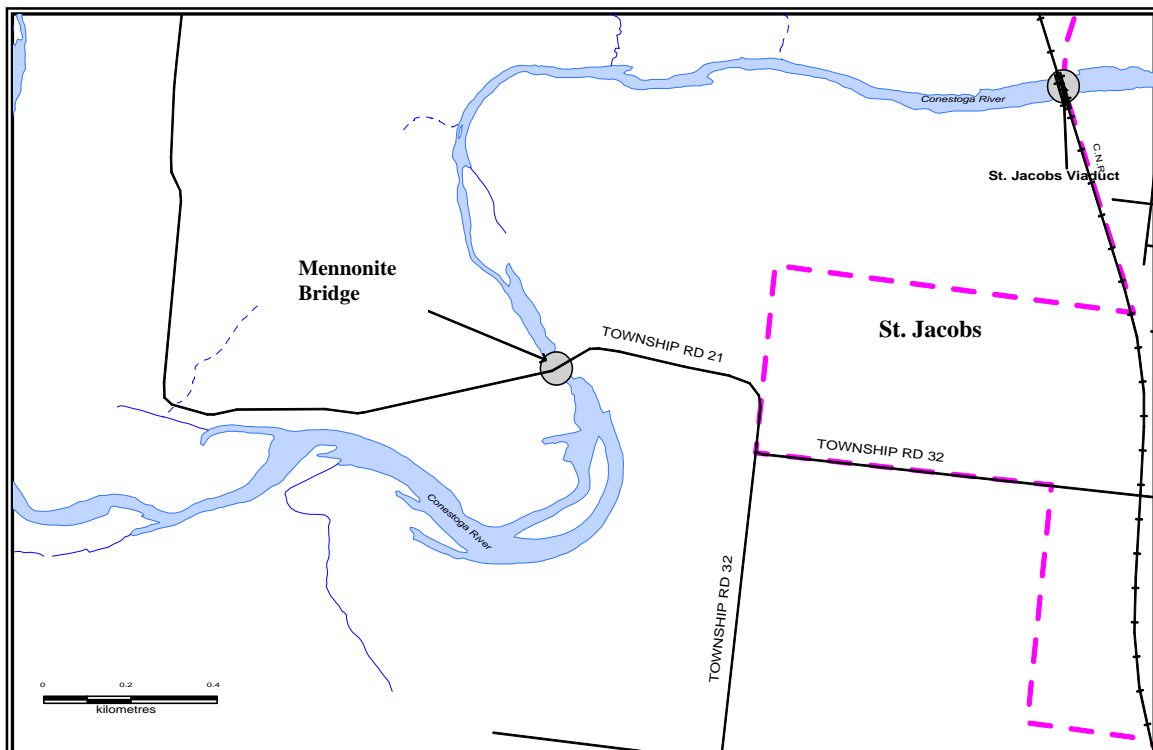
<i>Bridge No.</i>	310121
<i>Jurisdiction</i>	Township of Woolwich
<i>Year built</i>	1962
<i>Drawings</i>	None available

Physical Components

<i>Type</i>	Slab Concrete, low level
<i>Spans</i>	7
<i>Dimensions</i>	Length 23.2 m Each Span 3.3 m Width 4.9 m
<i>Load Limit</i>	11 tonnes

Descriptive details

This is a 7 span concrete slab, low level bridge. There are no railings since this bridge is flooded every year. The Mennonite community provided the labour and built the bridge in 3 days. It is a hidden tourist attraction. Bridge "drawings" exist but are only rough sketches.



Mennonite Bridge

East View



South View



Beaverdale Road Bridge

Location Beaverdale Road, north end of Cambridge.

General Information

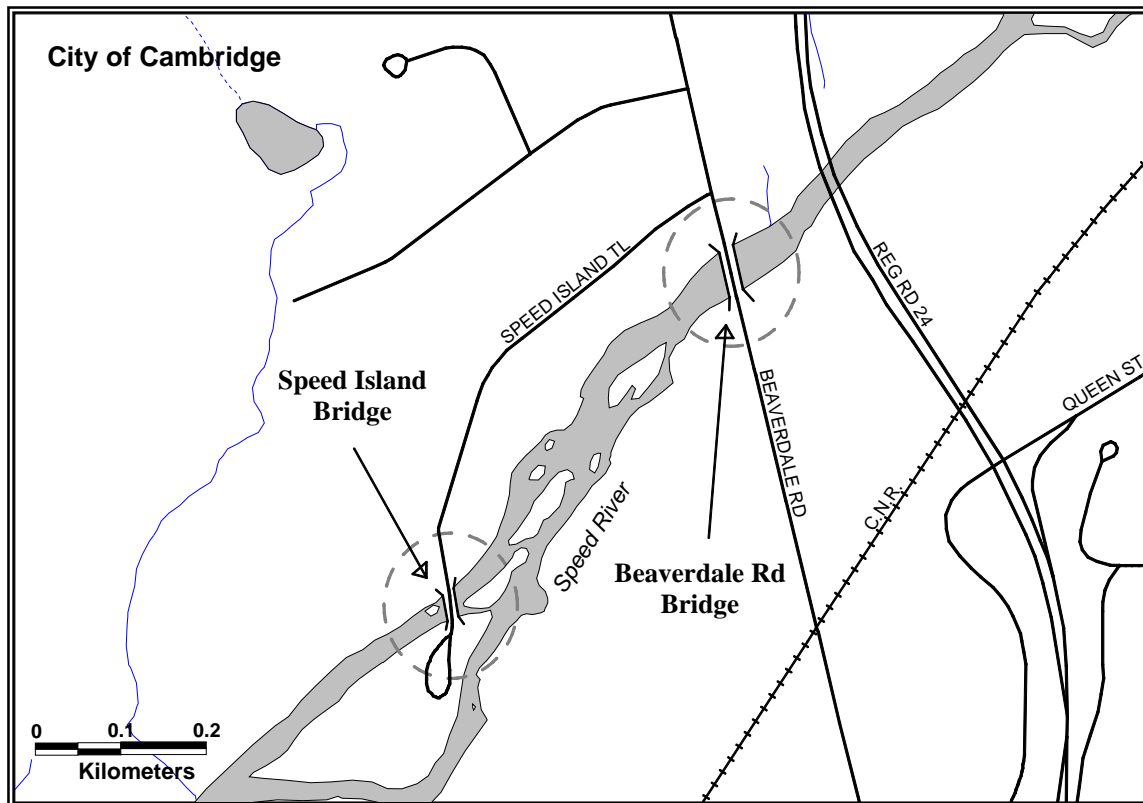
<i>Bridge No.</i>	N/A
<i>Jurisdiction</i>	City of Cambridge
<i>Year built</i>	1964
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Reinforced concrete
<i>Spans</i>	3
<i>Dimensions</i>	Length 30 m Width 10 m
<i>Load Limit</i>	None posted

Descriptive details

This is a three-span reinforced concrete bridge.



Beaverdale Road Bridge

South View



West View



Old Fisher Mills Bridge

Location Old Fisher Mills Road (closed), north end of Cambridge.

General Information

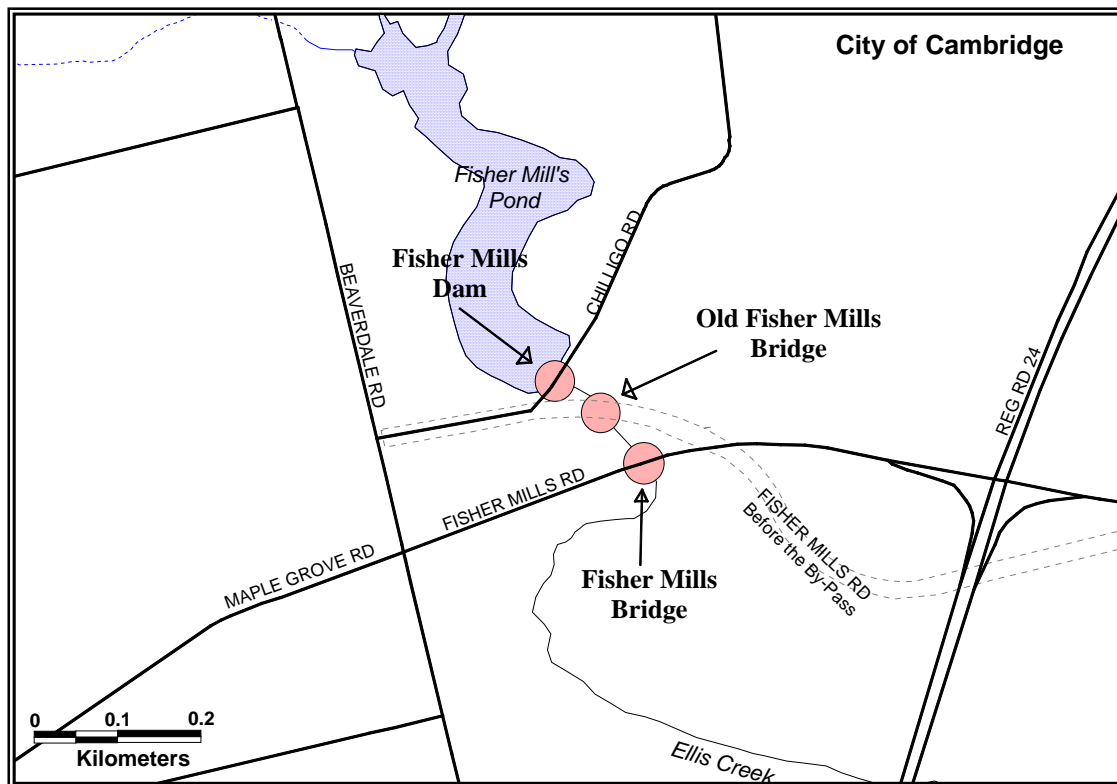
<i>Bridge No.</i>	N/A
<i>Jurisdiction</i>	City of Cambridge
<i>Year built</i>	1965
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Reinforced Concrete
<i>Spans</i>	1
<i>Dimensions</i>	Length 10 m Width 5 m
<i>Load Limit</i>	20 tonnes

Descriptive details

This is a narrow single span bridge. It is no longer open to traffic and might belong to a local land owner.



Old Fisher Mills Bridge

North View



South East View



Bridge #30

Location Oxford-Waterloo Road, near Oxford Road 5, south of New Hamburg, Township of Wilmot.

General Information

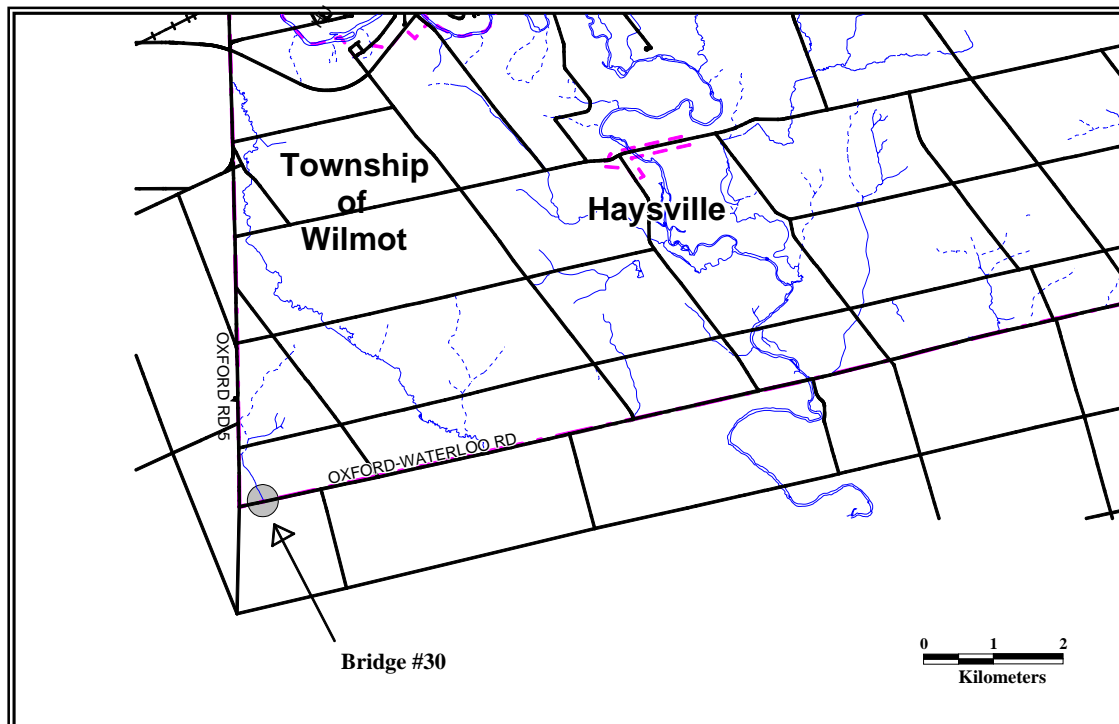
<i>Bridge No.</i>	30
<i>Jurisdiction</i>	Township of Wilmot
<i>Year built</i>	1965
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Rigid Frame
<i>Spans</i>	1
<i>Dimensions</i>	Length 11.3 m Width 10.3 m
<i>Load Limit</i>	20 tonnes

Descriptive details

This is a single span rigid frame bridge similar to Bridge #31. This type of bridge is common in the southern half of Wilmot.



Bridge #30

North Railing



South View



Bridge #31

Location Oxford-Waterloo Road, west of Walker Road, south of New Hamburg , Township of Wilmot.

General Information

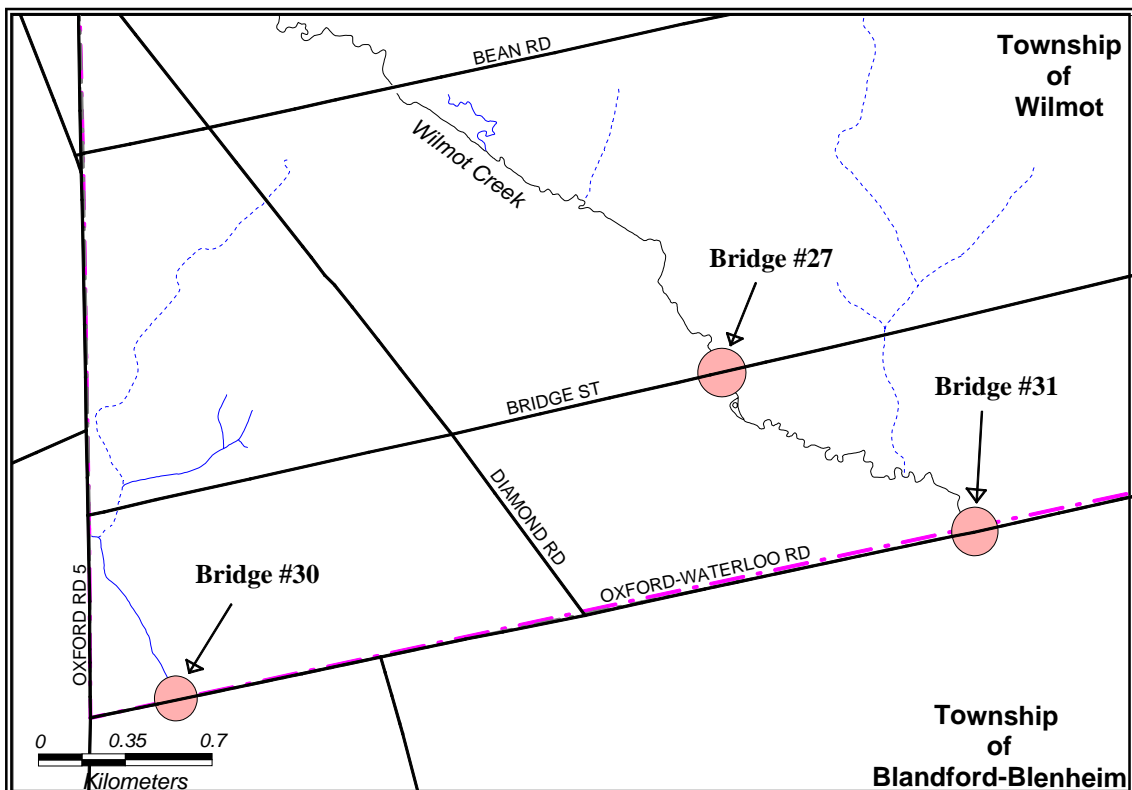
<i>Bridge No.</i>	31
<i>Jurisdiction</i>	Township of Wilmot
<i>Year built</i>	1967
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Rigid Frame
<i>Spans</i>	1
<i>Dimensions</i>	Length 14.1 m Width 10.4 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span rigid frame bridge. It is very similar in design to Bridge #30.



Bridge #31

West View



South View



Footbridge

Location North Dumfries Twp. Rd. 13 (now Footbridge Road), west of Hwy 24 (Brantford Hwy), south of Cambridge, Township of North Dumfries.

General Information

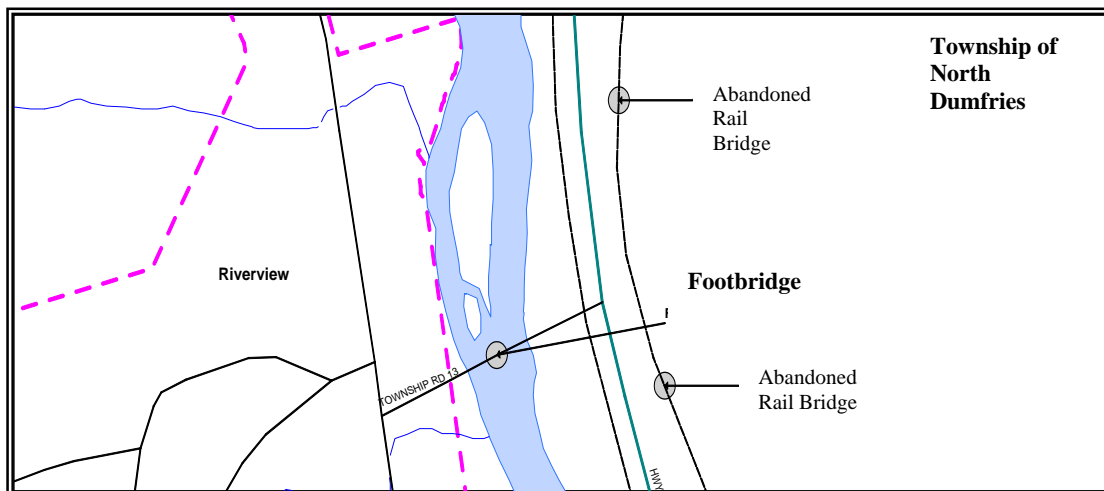
<i>Bridge No.</i>	Footbridge
<i>Jurisdiction</i>	Township of North Dumfries
<i>Year built</i>	1970
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Reinforced Concrete
<i>Spans</i>	3
<i>Dimensions</i>	Not known
<i>Load Limit</i>	None posted

Descriptive details

This is a three span reinforced concrete bridge. It is a historical bridge crossing.



Footbridge

East View



South East View



Stanley-Piper Street Bridge

Location Over the Nith River on Stanley-Piper Street, Ayr, Township of North Dumfries.

General Information

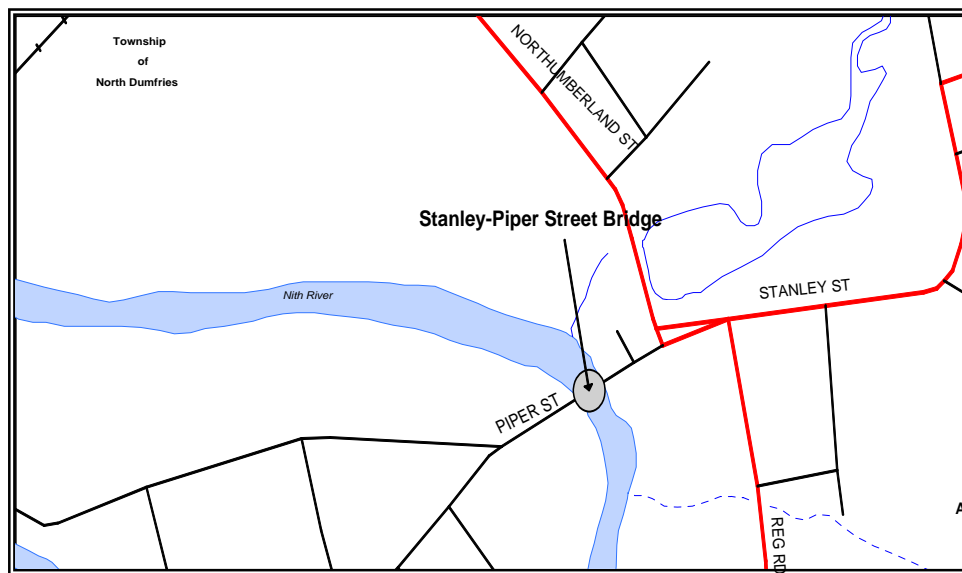
<i>Bridge No.</i>	N/A
<i>Jurisdiction</i>	Township of North Dumfries
<i>Year built</i>	1967
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Reinforced Concrete
<i>Spans</i>	3
<i>Dimensions</i>	Length 60 m Width 10.5 m
<i>Load Limit</i>	None posted

Descriptive details

This is a three span reinforced concrete bridge.



Stanley-Piper Street Bridge

South East View



East View



Breslau Bridge

Location MTO Site No. 33-100, Highway #7 (Victoria Street) crossing of the Grand River on eastern edge of Kitchener, near Breslau.

General Information

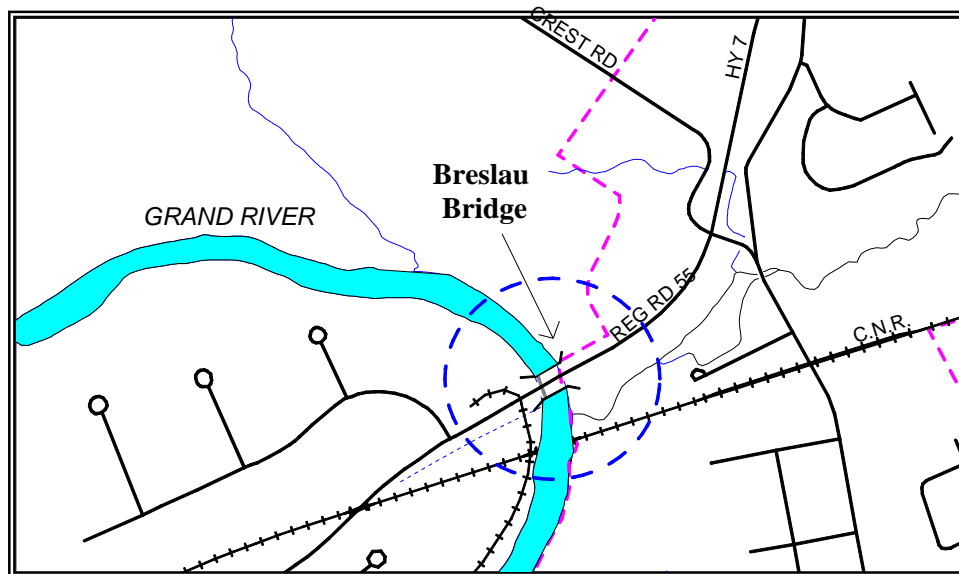
<i>Bridge No.</i>	005501
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1972
<i>Drawing</i>	Regional HQ

Physical Components

<i>Type</i>	Reinforced concrete
<i>Spans</i>	5
<i>Dimensions</i>	Length 138.5 Each span 27.5 m Width 20.9 m
<i>Load Limit</i>	None posted

Descriptive details

This is a five span reinforced concrete bridge. It is an historic river crossing over the Grand River.



Breslau Bridge

North View



South East View



Concession Street Bridge

Location MTO Site No. 33-179. Concession Street, 0.05 km west of Water Street, City of Cambridge.

General Information

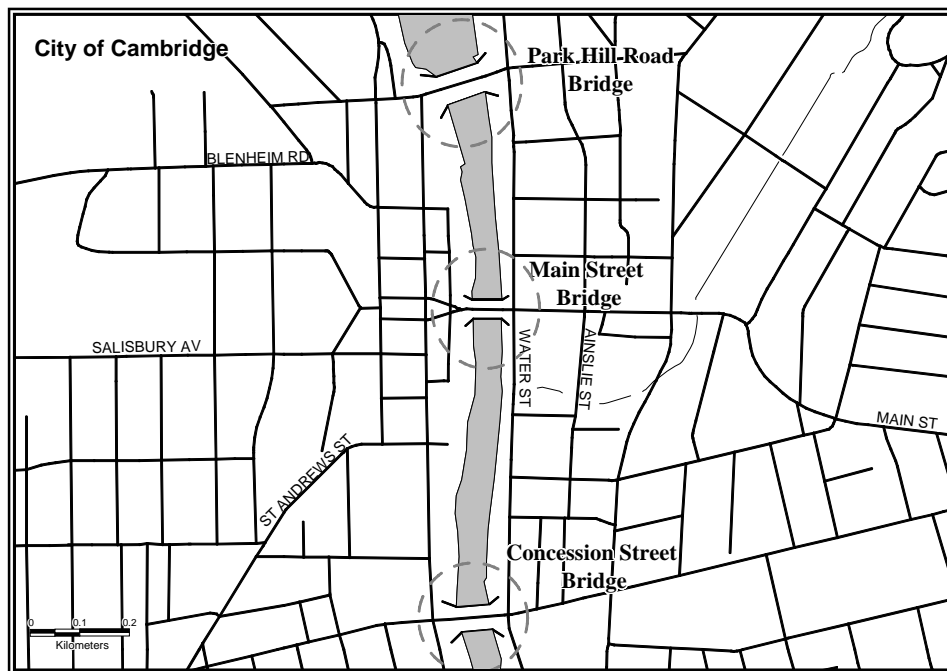
<i>Bridge No.</i>	009701
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1978
<i>Drawings</i>	City of Cambridge, Regional HQ

Physical Components

<i>Type</i>	Post-tensioned concrete
<i>Spans</i>	3
<i>Dimensions</i>	Total Length 85.1 m Span L. 26.5, 30.8 & 26.5m Width 19.7m
<i>Load Limit</i>	None posted

Descriptive details

This is a three span post-tensioned concrete bridge. It was built in 1978 to replace the bridge built in 1933. On the retaining wall beside Water Street, there are a series of engraved plaques recording the year and the water level of floods in 1914, 1932, 1948, and 1974.



Concession Street Bridge

North West View



North East View



Speed Island Trail Bridge

Location Speed Island Trail, 0.5 km West of Beaverdale Road, over the Speed River, City of Cambridge.

General Information

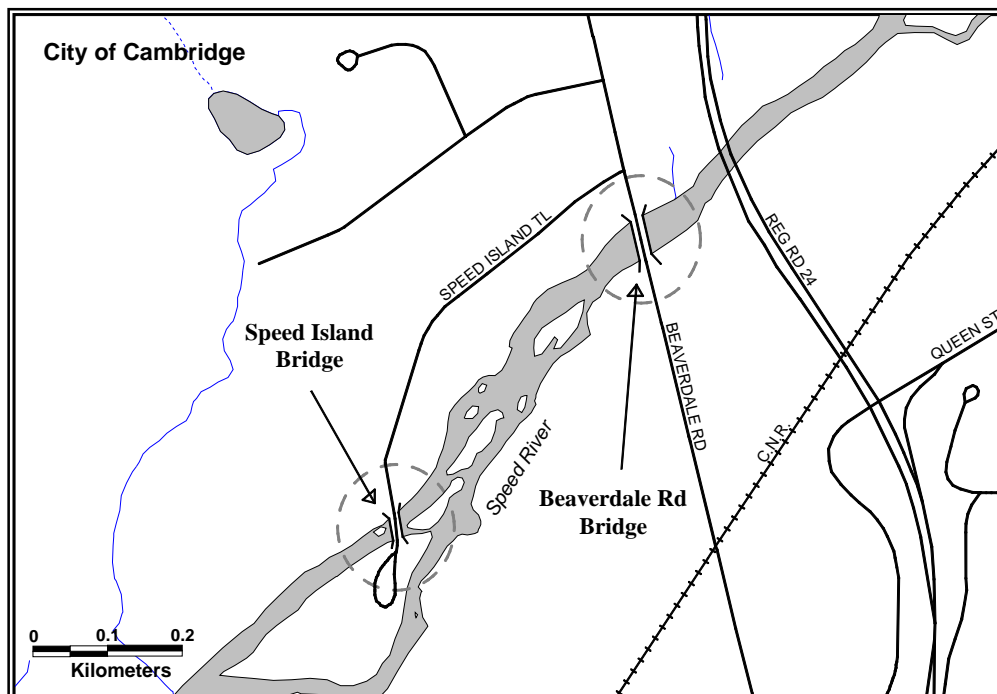
<i>Bridge No.</i>	N/A
<i>Jurisdiction</i>	Cambridge Public Works
<i>Year built</i>	1950/1990?
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Steel and concrete
<i>Spans</i>	3
<i>Dimensions</i>	single lane
<i>Load Limit</i>	None posted

Descriptive details

This is a three span steel and concrete bridge. The abutments and piers appear to be quite old but the deck has been replaced within the last few years. The City of Cambridge has no records of this bridge but it is likely to have been a public works project.



Speed Island Trail Bridge

South East View



East View



King Street Bridge

Location King Street, 0.11 km west of Chopin Drive, City of Cambridge.

General Information

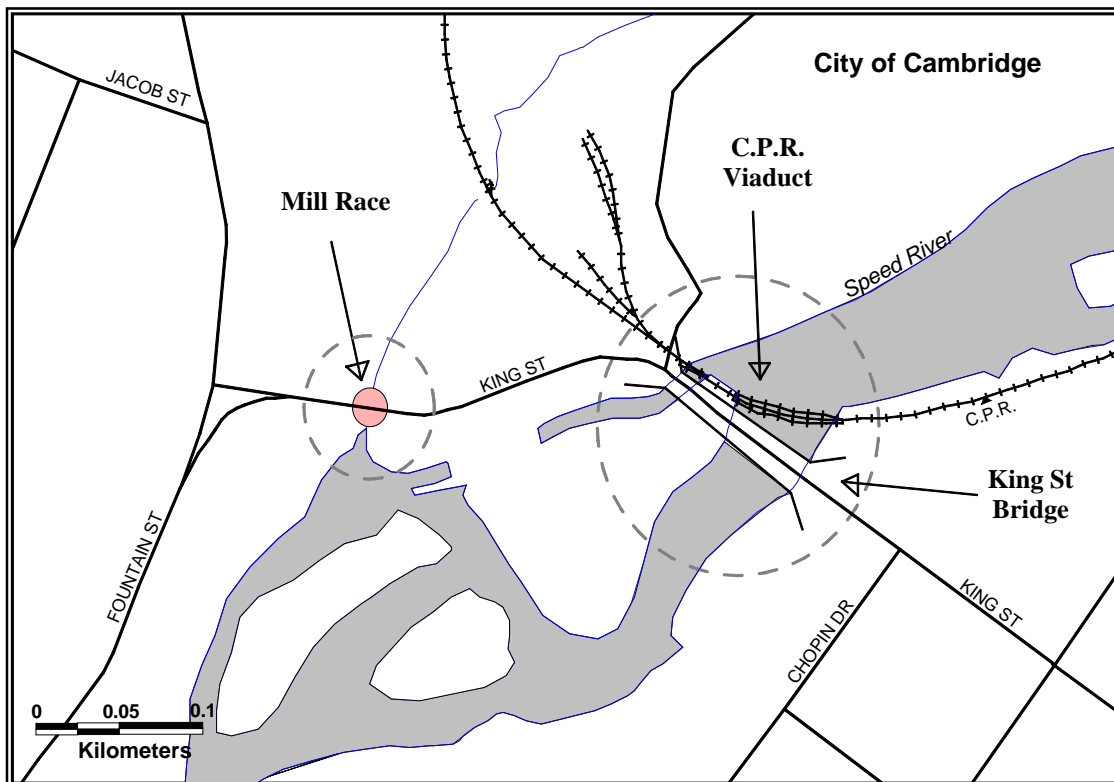
<i>Bridge No.</i>	00804
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1987/1924
<i>Drawings</i>	Regional HQ

Physical Components

<i>Type</i>	Precast Concrete
<i>Spans</i>	3
<i>Dimensions</i>	Length 56.4 Each Span 18.0 m Width 20.1 m
<i>Load Limit</i>	None posted

Descriptive details

It is a three span precast concrete box girder bridge with a concrete deck topping and an asphalt wearing surface. This bridge looks very similar to the one built in 1924.



King Street Bridge

East View



South East View



King Street Bridge

Location King Street, 0.11 km west of Chopin Drive, City of Cambridge.

General Information

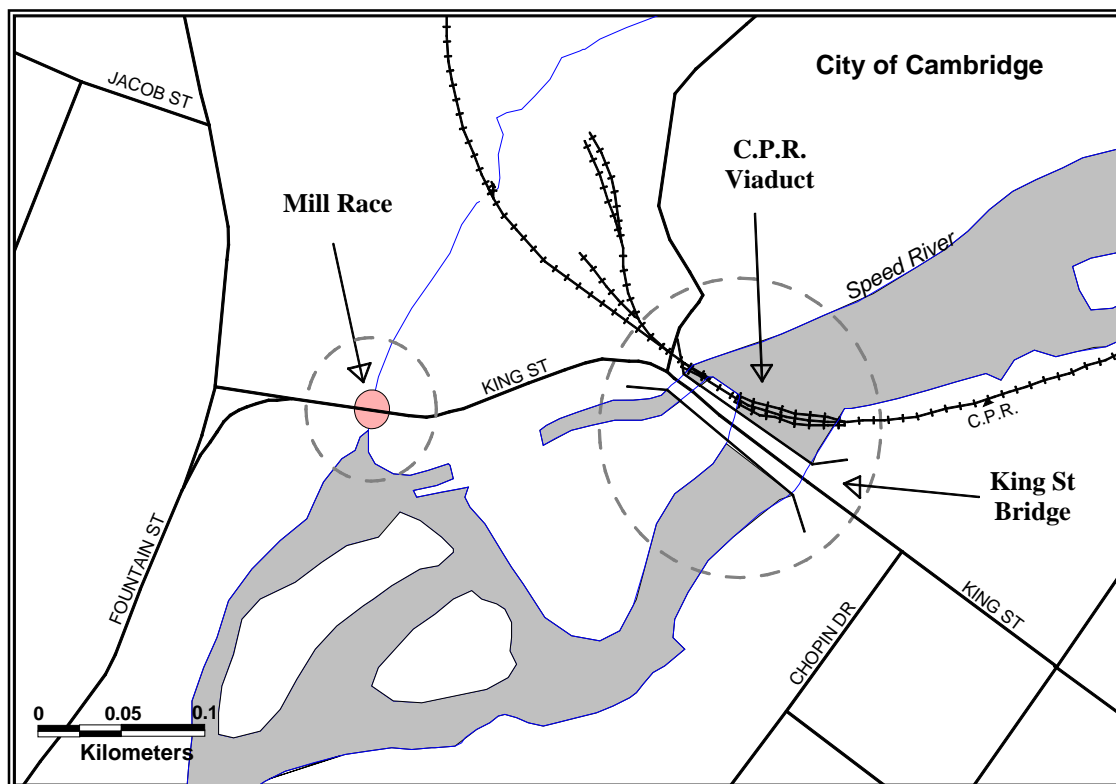
<i>Bridge No.</i>	00804
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1987/1924
<i>Drawings</i>	Regional HQ

Physical Components

<i>Type</i>	Precast Concrete
<i>Spans</i>	3
<i>Dimensions</i>	Length 56.4 Each Span 18.0 m Width 20.1 m
<i>Load Limit</i>	None posted

Descriptive details

It is a three span precast concrete box girder bridge with a concrete deck topping and an asphalt wearing surface. This bridge looks very similar to the one built in 1924.



Section 3



Pedestrian Walkways

Pedestrian Walkway

Location North of Russ Street in the north end of Cambridge; crosses Speed River and allows access to the park.

General Information

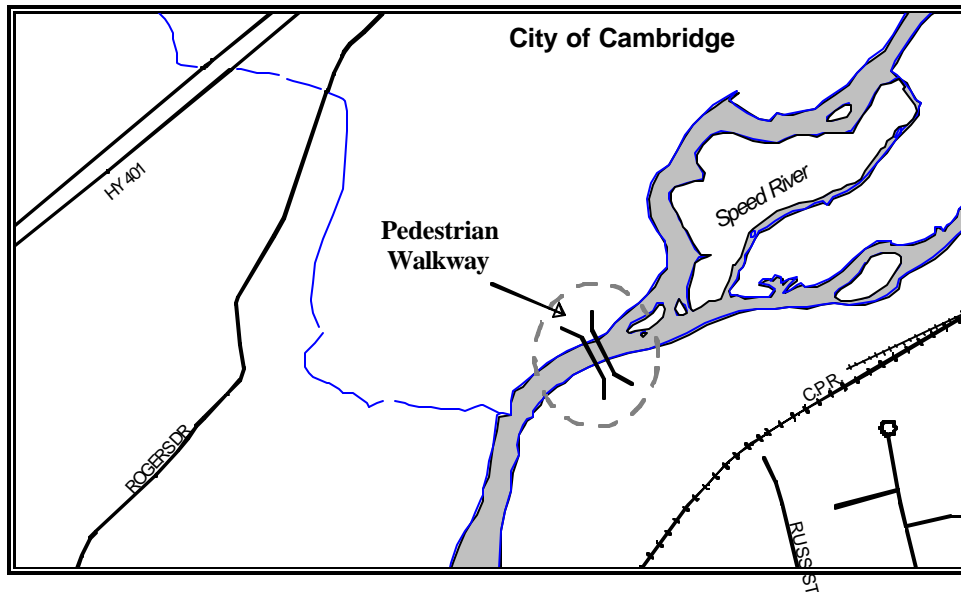
<i>Bridge No.</i>	N/A
<i>Jurisdiction</i>	City of Cambridge
<i>Year built</i>	1987
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Structural Steel
<i>Spans</i>	2
<i>Dimensions</i>	Not known
<i>Load Limit</i>	None posted

Descriptive details

This is a two span prefabricated structural steel bridge with pressure treated wooden planks. This bridge was built beside the abutments of an older bridge.



Pedestrian Walkway

North West View



North View



Suspension Bridge

Location North of the intersection with Christner Road and Waterloo Street, New Hamburg, Township of Wilmot.

General Information

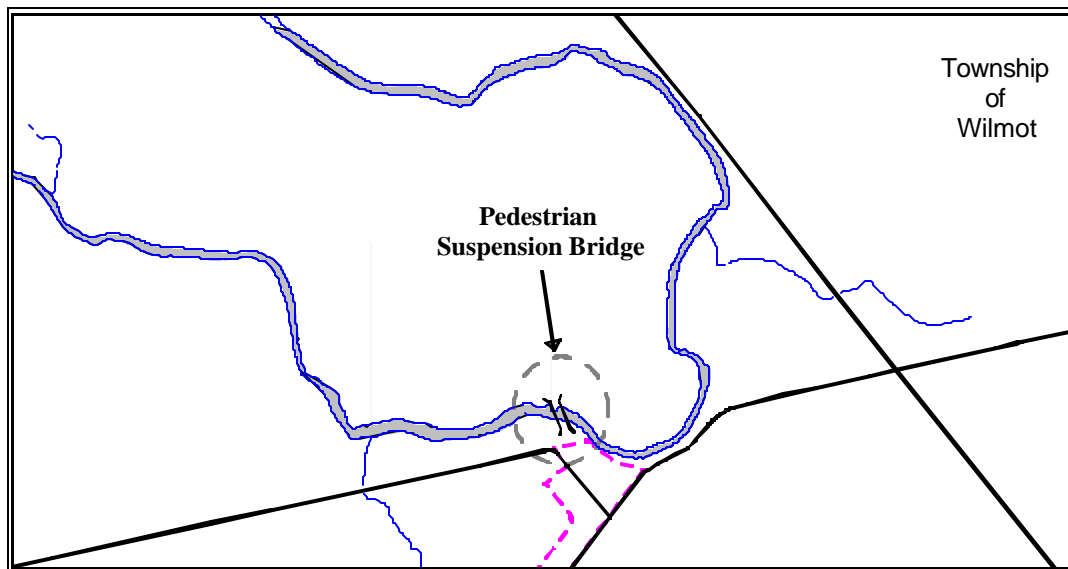
<i>Bridge No.</i>	N/A
<i>Jurisdiction</i>	Private
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Wire and Wood
<i>Spans</i>	1
<i>Dimensions</i>	Not known
<i>Load Limit</i>	Not posted

Descriptive details

This appears to be a privately constructed and owned suspension bridge.



Suspension Bridge

South View



West View



Section 4



Railway Overpasses & Underpasses

An underpass is a railway bridge above the road
An overpass is a road bridge above the railway tracks

Beverly Street Underpass

Location MTO Site No. 33-181, Beverly Street, 0.1 km south of Samuelson Street, City of Cambridge.

General Information

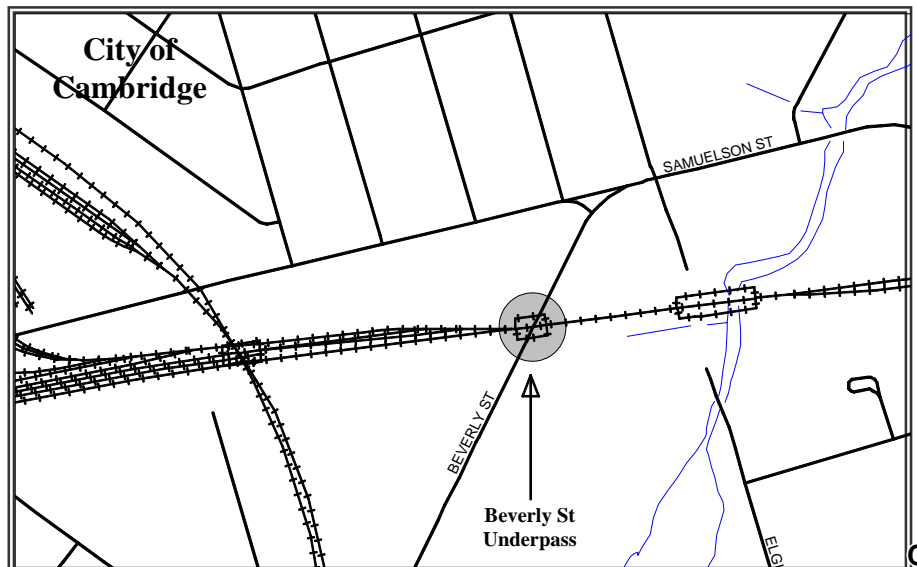
<i>Bridge No.</i>	002702
<i>Jurisdiction</i>	C.P.R.
<i>Year built</i>	1931
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Structural Steel
<i>Spans</i>	1
<i>Dimensions</i>	Length 8.2 m Width 5.0 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span structural steel girder bridge. It spans a length of 8.2 m with a deck width of 5.0 m over Beverly Street in Cambridge. The bridge still possesses its original timber ties, timber plank trainmen's walks, and timber plank handrails which are still in good condition. The abutments are constructed with prefabricated stone masonry. The C.P.R. maintains the rails and the region maintains the underpass and structure.



Beverly Street Underpass

North East View



George Street Underpass

Location MTO Site No. 33-246, George Street, 0.15 km north of James Street, City of Cambridge.

General Information

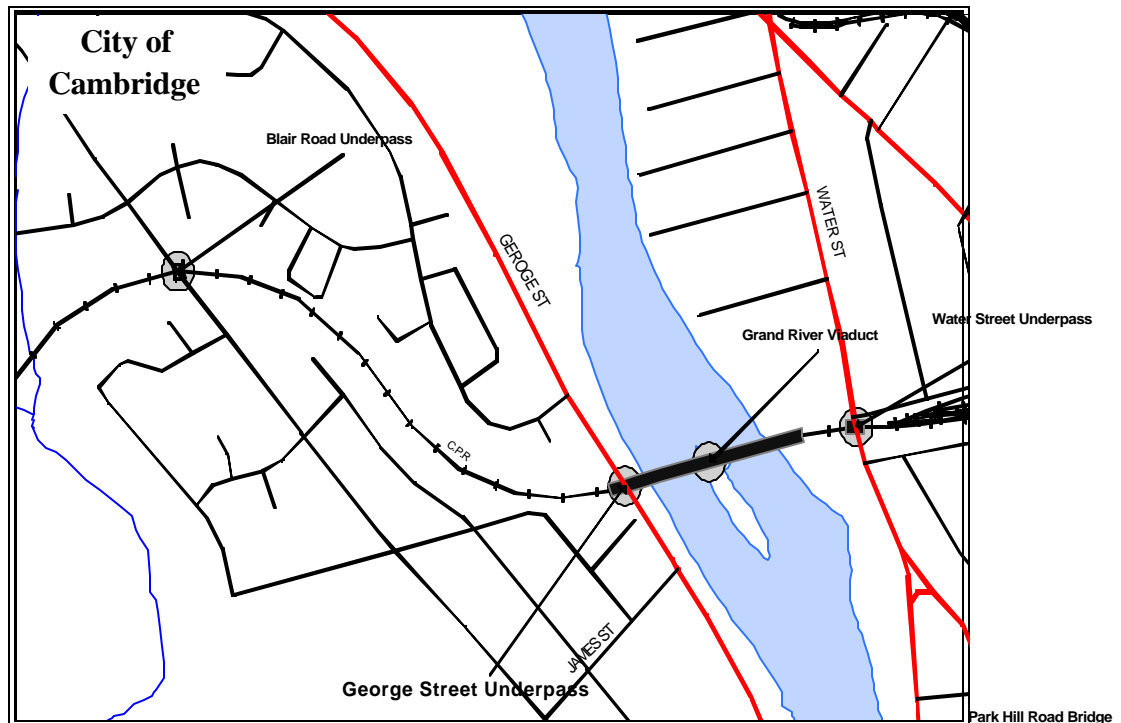
<i>Bridge No.</i>	N/A
<i>Jurisdiction</i>	C.P.R.
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Structural Steel
<i>Spans</i>	1
<i>Dimensions</i>	Not known
<i>Load Limit</i>	None posted

Descriptive details

This is a multi-span structural steel deck girder bridge. The rail structure is maintained by the C.P.R.



George Street Underpass

North West View



Park Street Underpass

Location MTO Site No 33-97, Park Street, 0.04 km south of Cherry Street, City of Kitchener.

General Information

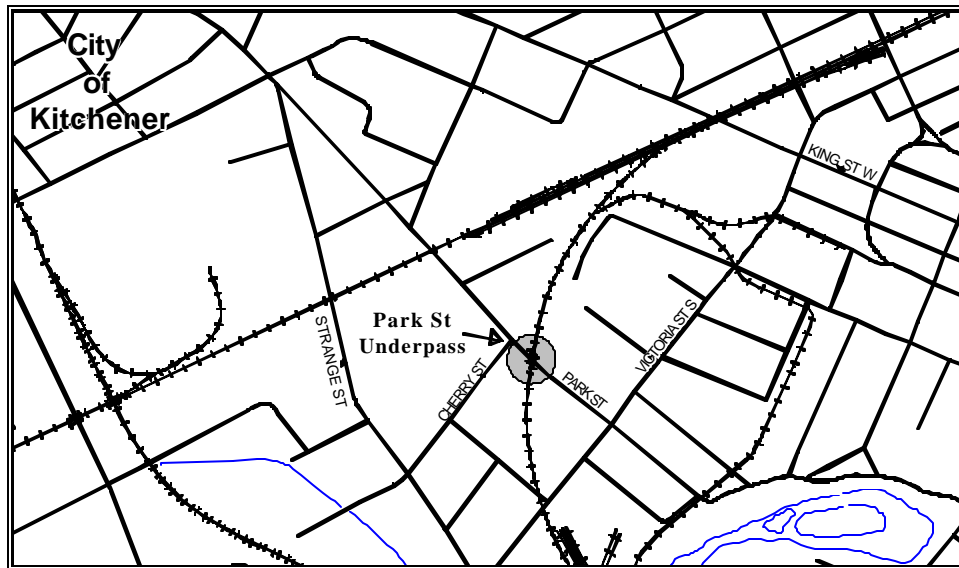
<i>Bridge No.</i>	005305
<i>Jurisdiction</i>	City of Kitchener
<i>Year built</i>	1931
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Precast concrete
<i>Spans</i>	2
<i>Dimensions</i>	Length 23.0 m Width 5.8 m
<i>Load Limit</i>	None posted

Descriptive details

This is a two span precast concrete box girder bridge. The girders are covered with railway ballast. It possesses a steel pipe handrail. The timber retaining walls are in poor condition. The concrete trainmen's walks are in good condition. The C.N.R maintains this railway. The wing walls are crumbling but an impression on the bridge states that it was built in 1931 by A.COPE & SONS Ltd. City of Kitchener maintains the structure.



Park Street Underpass

North West View



Water Street Underpass

Location MTO Site No. 33-246, Water Street, 0.1 km north of Malcolm Street, City of Cambridge.

General Information

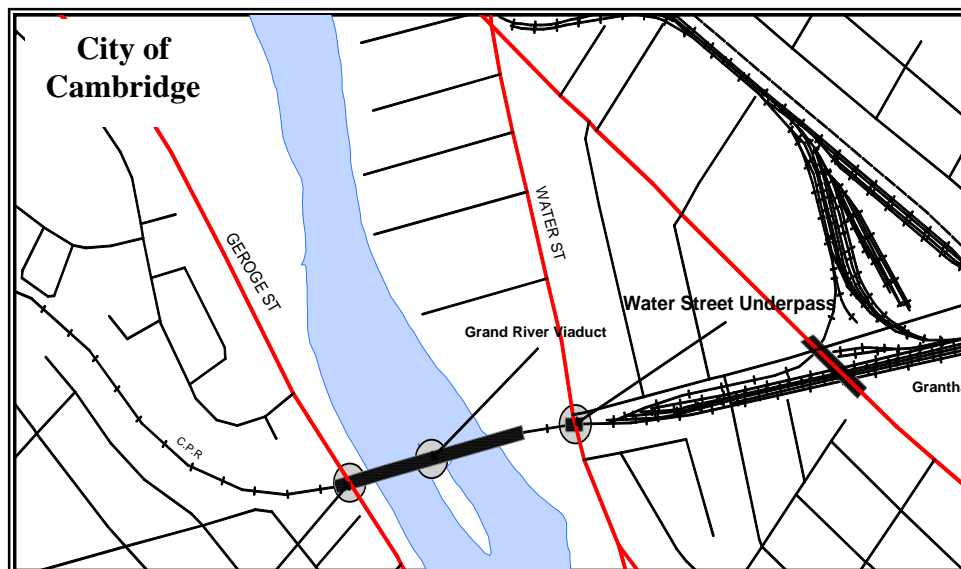
<i>Bridge No.</i>	002403
<i>Jurisdiction</i>	C.P.R.
<i>Year built</i>	1931/1956
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Structural Steel
<i>Spans</i>	1
<i>Dimensions</i>	Length 24.7 m Width 7.4 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span, pony truss, structural steel girder bridge.



Water Street Underpass

West View



North West View



Blackbridge Road Overpass

Location Blackbridge Road, 2.0 km east of Regional Road 24 (now Hespeler Road), north end of Cambridge.

General Information

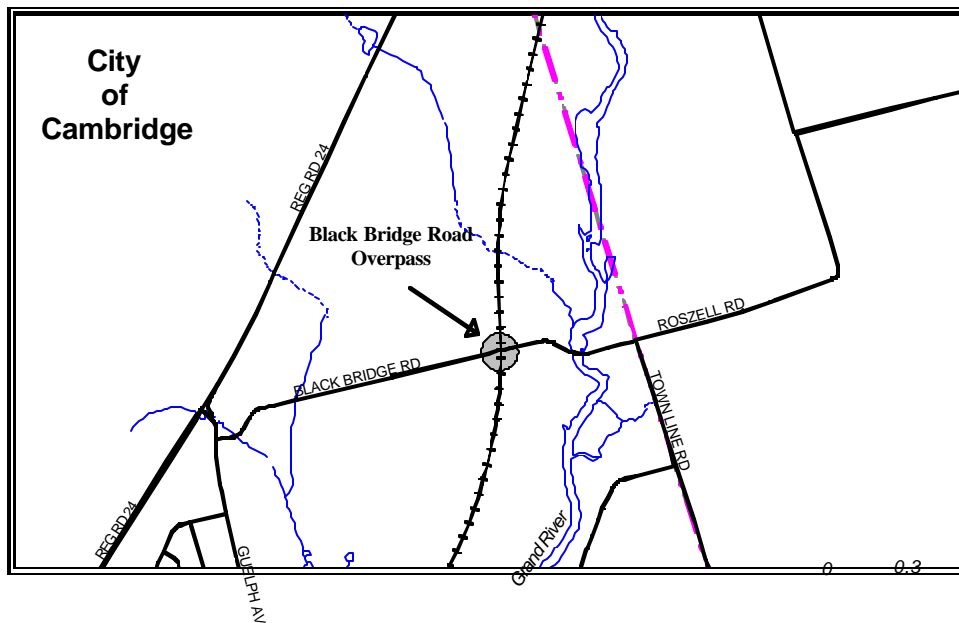
<i>Bridge No.</i>	Not available
<i>Jurisdiction</i>	Goderich-Exeter Railway
<i>Year built</i>	Pre-1950
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Through girder, single lane
<i>Spans</i>	1
<i>Dimensions</i>	Length 9.1 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span, single lane, through girder railway bridge. It is owned and maintained by the Goderich-Exeter Railway. The trains under this bridge are infrequent. Traffic lights at each approach control the flow of traffic, since the approaches are steep, and since the bridge carries single lane traffic only.



Blackbridge Road Overpass

South View



Mill Creek Overpass

Location Near Elgin and Samuelson Streets, City of Cambridge.

General Information

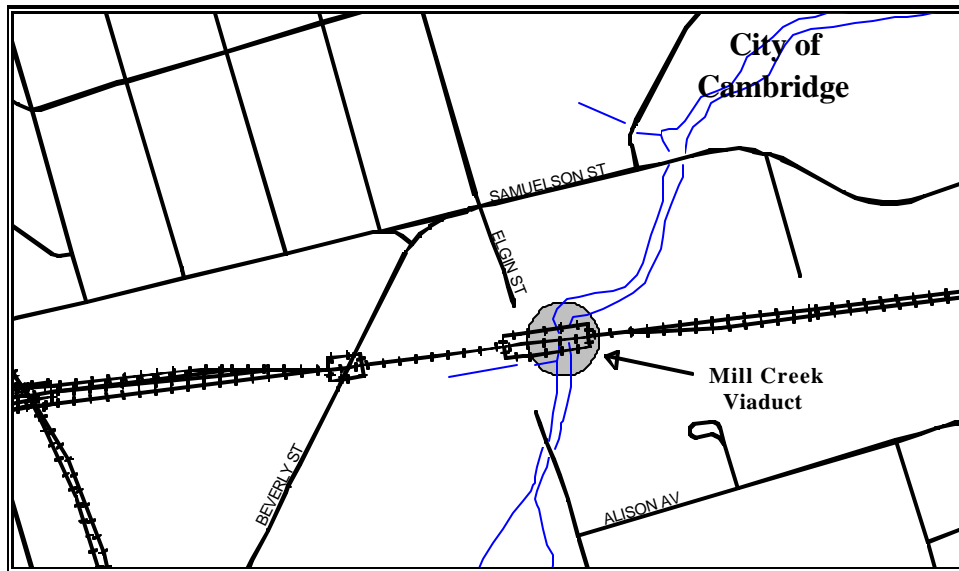
<i>Bridge No.</i>	Not available
<i>Jurisdiction</i>	City of Cambridge
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Structural Steel
<i>Spans</i>	1
<i>Dimensions</i>	Not known
<i>Load Limit</i>	None posted

Descriptive details

This is a single span structural steel railway viaduct. It passes over Mill Creek in the north end of Soper Park.



Mill Creek Overpass

North View



South View



Grantham Rail Bridge

Location At the end of Grantham Avenue, 0.05 km south of Samuelson Street, City of Cambridge.

General Information

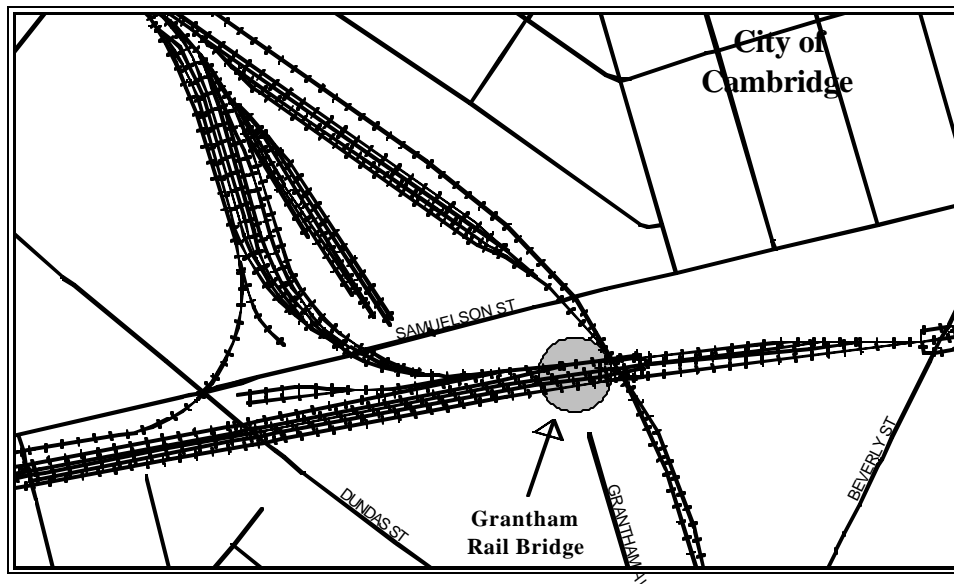
<i>Bridge No.</i>	Not available
<i>Jurisdiction</i>	City of Cambridge
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Structural Steel
<i>Spans</i>	1
<i>Dimensions</i>	Not known
<i>Load Limit</i>	None posted

Descriptive details

This is a single span structural steel railway bridge. The wingwalls are made of prefabricated concrete. Grantham Avenue is a dead end dirt road.



Grantham Rail Bridge

East View of Tracks



North View



Blair Road Underpass

Location Blair Road, 0.05 km north of Kenmore Ave, City of Cambridge.

General Information

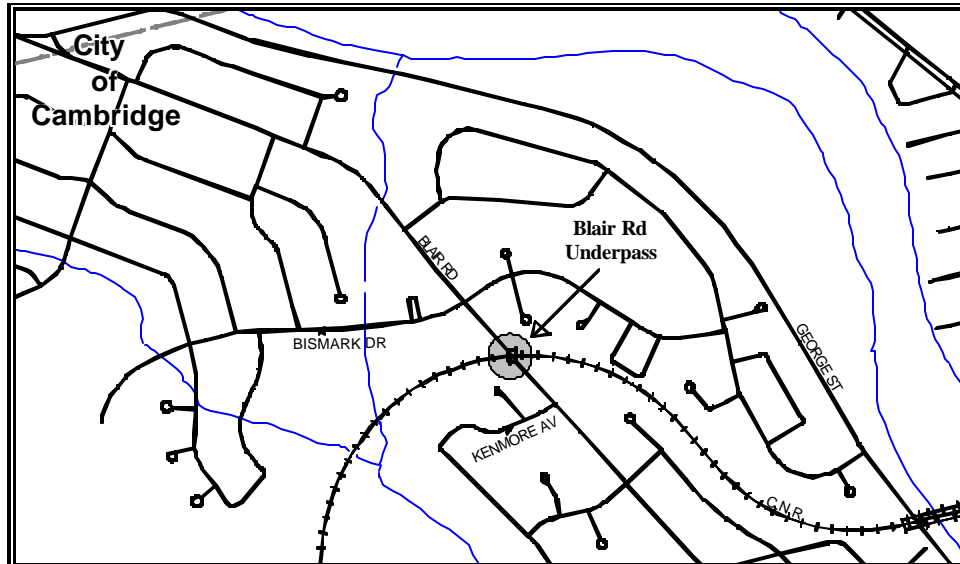
<i>Bridge No.</i>	Not available
<i>Jurisdiction</i>	City of Cambridge
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Structural Steel
<i>Spans</i>	1
<i>Dimensions</i>	Not known
<i>Load Limit</i>	None posted

Descriptive details

This is a single span, single lane, structural steel railway bridge.



Blair Road Underpass

South East View



Perth Street Overpass

Location Perth Street, west of New Hamburg, Township of Wilmot.

General Information

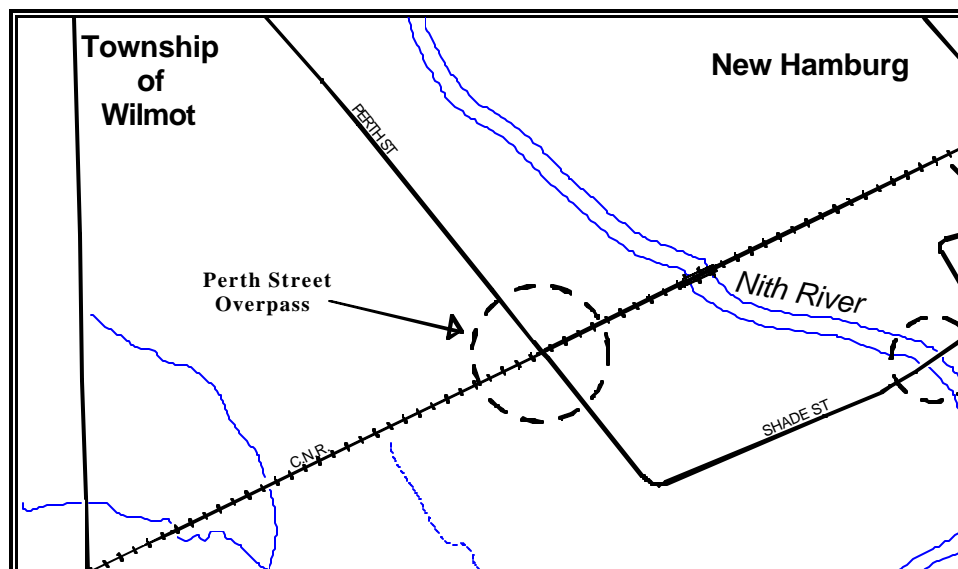
<i>Bridge No.</i>	14
<i>Jurisdiction</i>	Township of Wilmot
<i>Year built</i>	1950
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Timber and I-beams
<i>Spans</i>	9
<i>Dimensions</i>	Length 39.8 m Width 6.4 m
<i>Load Limit</i>	15 tonnes

Descriptive details

This is a nine-span timber railway bridge covered with a paved roadway surface. A steel pony truss supports the middle of this bridge. The thick timbers smell of tar.



Perth Street Overpass

West View



South West View



CN3001 Overpass

Location Reg. Rd. No. 30 (now Shantz Station Road), 0.2 km south of Road 72 (Kramp Road), east of Breslau, Township of Woolwich.

General Information

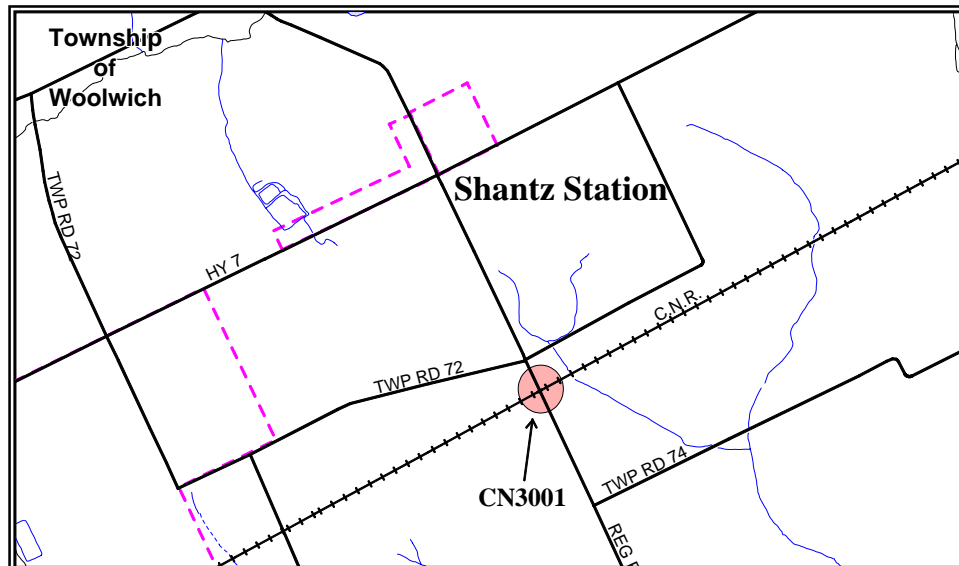
<i>Bridge No.</i>	003001
<i>Jurisdiction</i>	C.N.R.
<i>Year built</i>	1950
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Structural Steel
<i>Spans</i>	1
<i>Dimensions</i>	Length 10.1 m Width 4.0 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span structural steel girder bridge. The C.N.R. maintains this rail structure. In 2003 the road was lowered to increase vertical clearance to current standards.



CN3001 Overpass

North West View



Section 5



Viaducts

A Viaduct is more accurately defined as a long bridge-like structure (usually with a series of arches) for carrying a road or railway over a valley or dip in the ground.

Examples of "viaduct-like" structures in Waterloo Region.

Freeport Viaduct

Location Beside Freeport Bridge, King Street East, City of Kitchener.

General Information

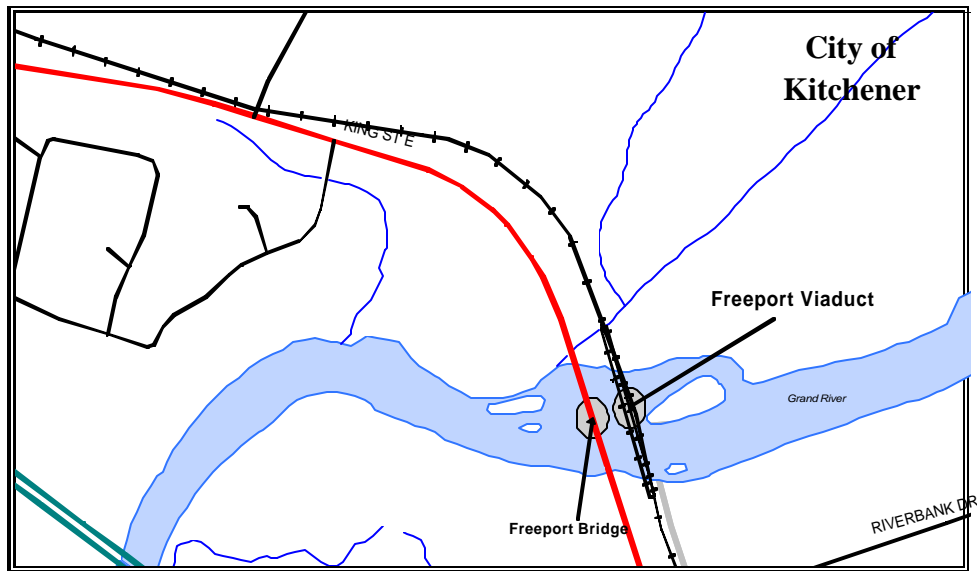
<i>Bridge No.</i>	Not applicable
<i>Jurisdiction</i>	City of Kitchener
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Wooden ties and Structural Steel
<i>Spans</i>	7
<i>Dimensions</i>	Not known
<i>Load Limit</i>	None posted

Descriptive details

This viaduct is probably as old as the Freeport Bridge, circa 1930.



Freeport Viaduct

West View



Grand River Viaduct

Location Over the Grand River, north of Park Hill Road, City of Cambridge.

General Information

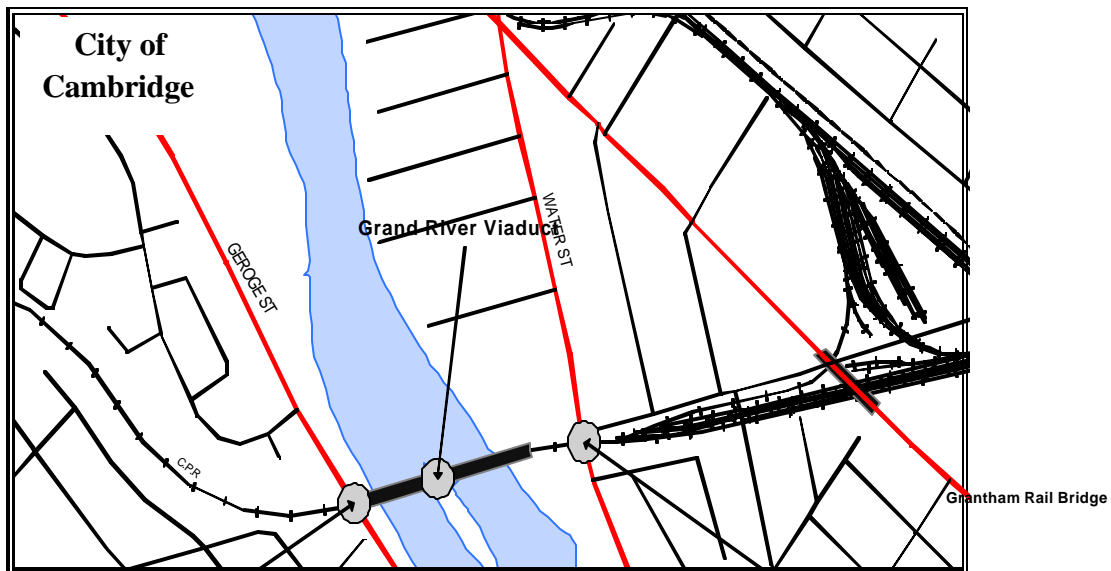
<i>Bridge No.</i>	Not applicable
<i>Jurisdiction</i>	City of Cambridge
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Structural Steel
<i>Spans</i>	3
<i>Dimensions</i>	Length 313.6 m
<i>Load Limit</i>	20 tonnes

Descriptive details

This is a three span structural steel railway viaduct. The C.P.R. maintains this bridge.



Grand River Viaduct

North East View



New Hamburg Viaduct

Location Nith River, west of New Hamburg, 0.2 km north of Shade Street, Township of Wilmot.

General Information

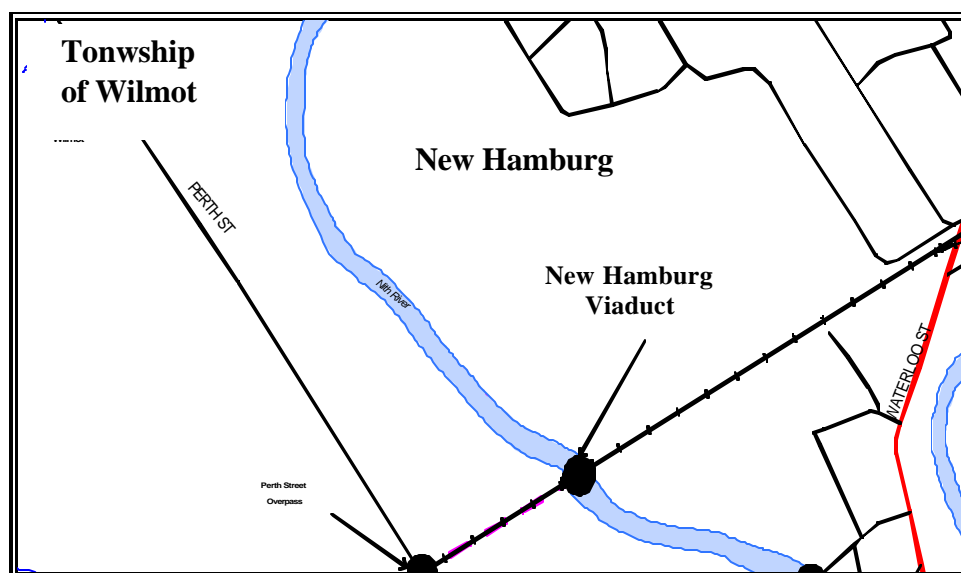
<i>Bridge No.</i>	Not applicable
<i>Jurisdiction</i>	Township of Wilmot
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Structural Steel
<i>Spans</i>	1
<i>Dimensions</i>	Not known
<i>Load Limit</i>	None posted

Descriptive details

This is a single span structural steel railway bridge over the Nith River, New Hamburg.



New Hamburg Viaduct

North View from Shade Street



St. Jacobs Viaduct

Location Across the Conestoga River in St. Jacobs, Township of Woolwich.

General Information

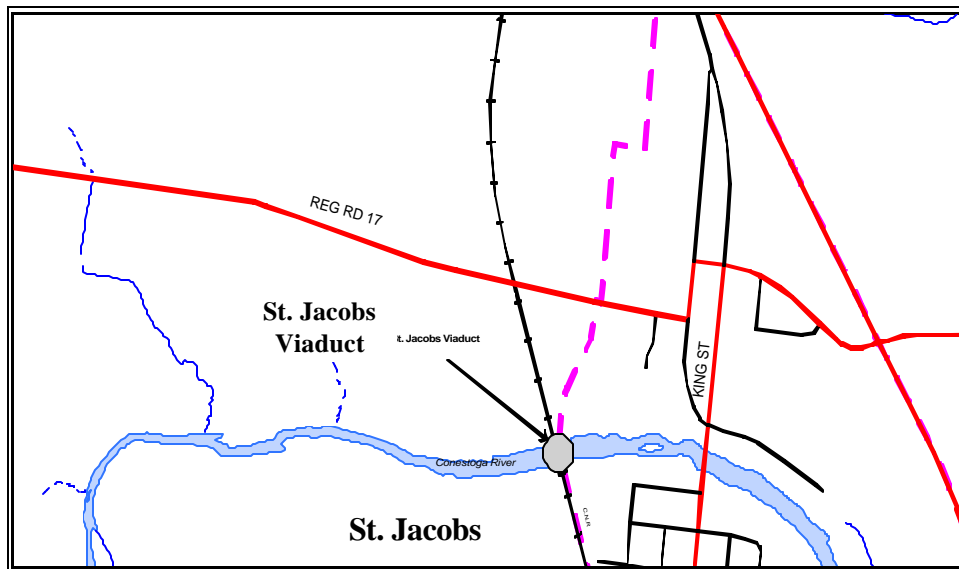
<i>Bridge No.</i>	Not applicable
<i>Jurisdiction</i>	Township of Woolwich
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Structural Steel
<i>Spans</i>	2
<i>Dimensions</i>	Not known
<i>Load Limit</i>	None posted

Descriptive details

This is a two span structural steel railway viaduct. The wooden piers from an older viaduct are still in place. This viaduct can be viewed from the Grand River Walking Trail.



St. Jacobs Viaduct

West View



Section 6



Culverts

A selection of Regionally owned, pre-1950 structures.
(A culvert is a bridge structure that has more than 300 mm of fill over it and/or it is less than 3 meters in length).

Dundas Street Underpass

Location Dundas Street, 0.04 km north of Marion Way, City of Cambridge.

General Information

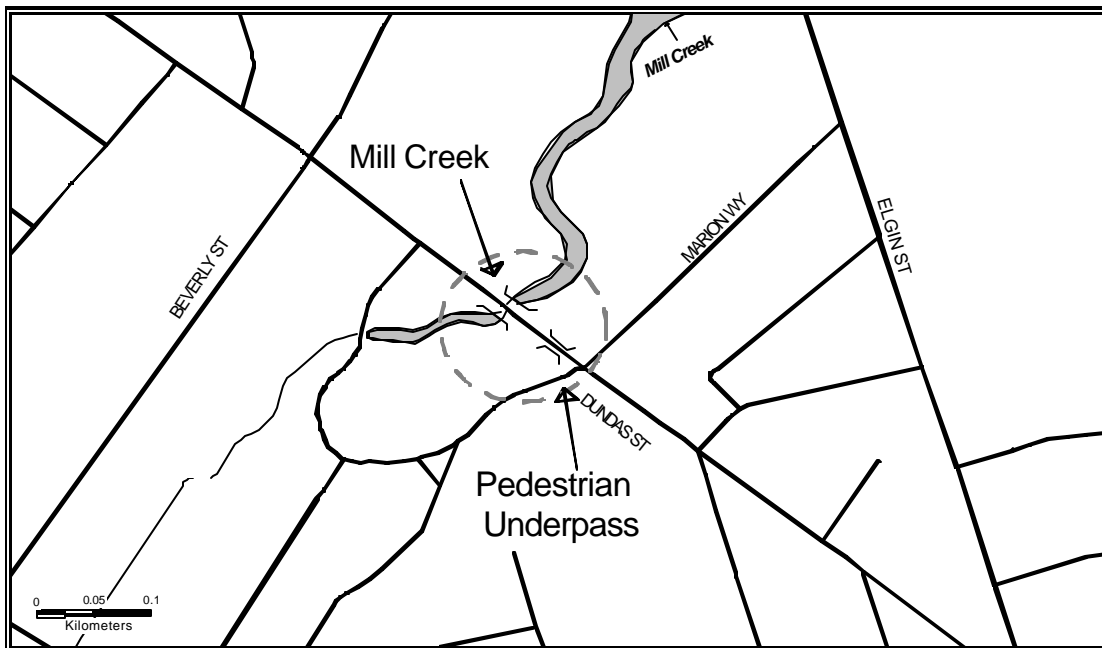
<i>Bridge No.</i>	00851
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1920
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Masonry Arch
<i>Spans</i>	1
<i>Dimensions</i>	Length 12.6 m Width 3.6 m
<i>Load Limit</i>	None posted

Descriptive details

This culvert is a single span masonry arch structure. The arch is covered with approximately 800 mm of fill with a paved roadway surface. There is a concrete stiffener with steel handrails above the arch. Some of the mortar and stones are missing and need replacement. This culvert allows access into the north area of Soper Park.



Dundas Street Underpass

North East View



North East View



Blair Road Culvert

Location Blair Road, 0.01 km south of Fountain Street, City of Cambridge.

General Information

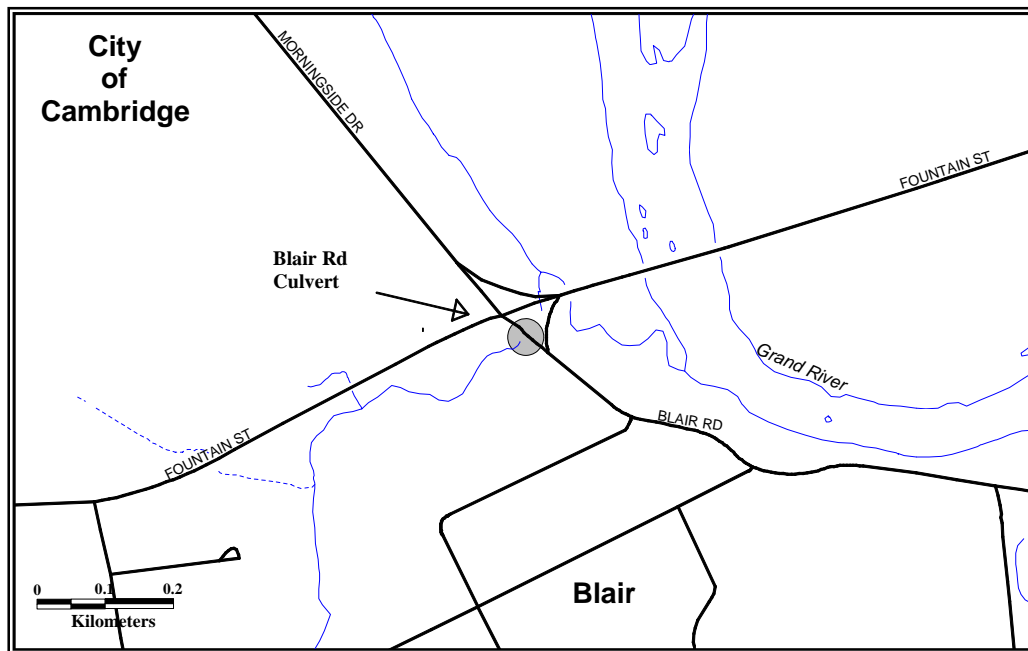
<i>Culvert No.</i>	Not available
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Concrete Box
<i>Spans</i>	1
<i>Dimensions</i>	Length 11.3 m Width 10.3 m
<i>Load Limit</i>	20 tonnes

Descriptive details

This is a single span concrete box culvert.



Blair Road Culvert

South East View



Regional Road 6 Culvert (00652)

Location Gingerich Road, between Twp Rd 16 (now Sand Hills Road) and Brewery Street, Baden, Township of Wilmot.

General Information

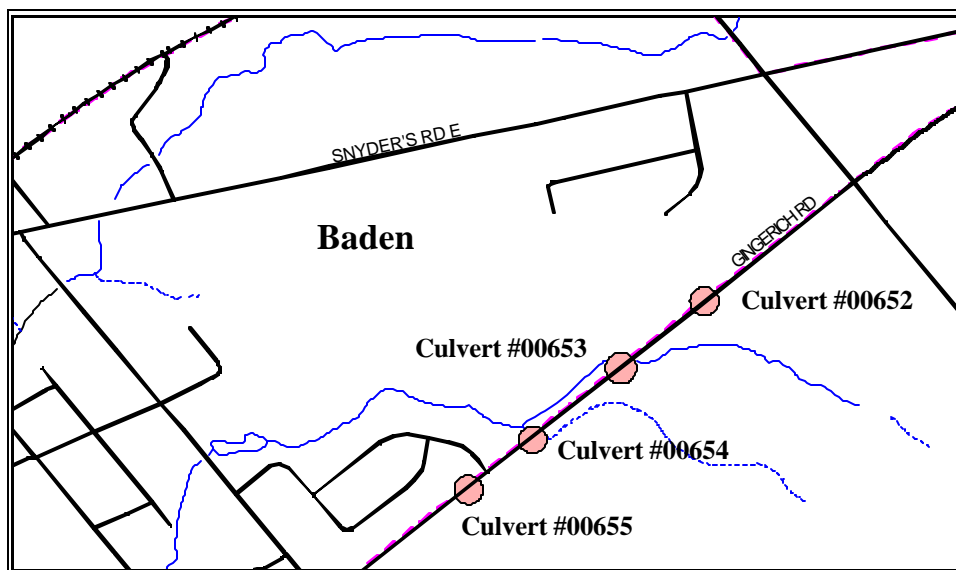
<i>Culvert No.</i>	00652
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1940
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Solid slab
<i>Spans</i>	1
<i>Dimensions</i>	Length 3.7 m Width 24.7 m
<i>Load Limit</i>	None posted

Descriptive details

There are four culverts across Gingerich Road. This culvert is the first in the series. It is a single span concrete culvert with a solid deck slab. The culvert is covered with 0.9 m of fill with a paved roadway.



Regional Road 6 Culvert (00652)

North West View



Regional Road 6 Culvert (00653)

Location Gingerich Road, between Twp Rd 16 (now Sand Hills Road) and Brewery Street, Baden, Township of Wilmot.

General Information

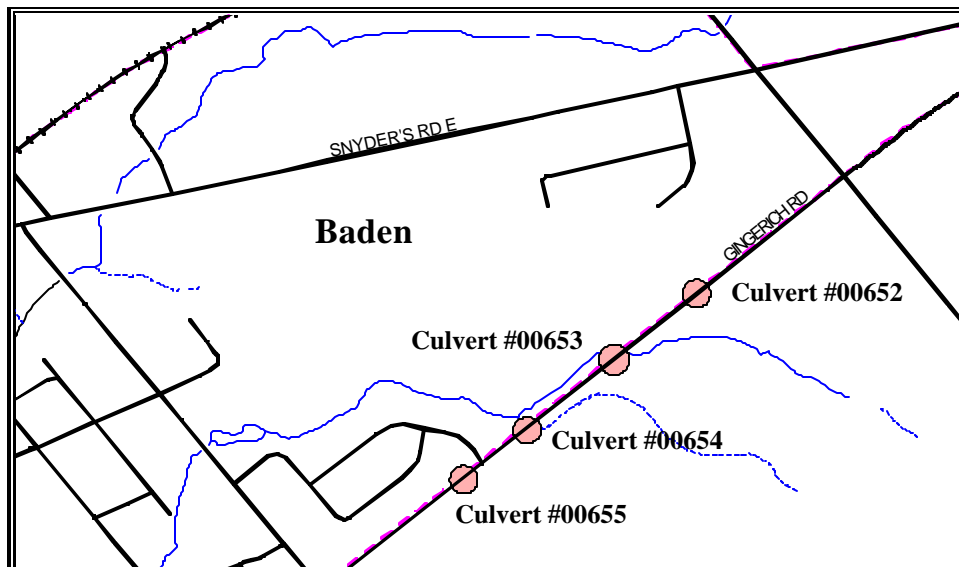
<i>Culvert No.</i>	00653
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1950
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Open footing
<i>Spans</i>	1
<i>Dimensions</i>	Length 23.3 m Width 3.0 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span concrete open footing culvert. The culvert is covered with approximately 1 m of fill with a paved roadway surface.



Regional Road 6 Culvert (00653)

North East View



Regional Road 6 Culvert (00654)

Location Gingerich Road, between Twp Rd 16 (now Sand Hills Road) and Brewery Street, Baden, Township of Wilmot.

General Information

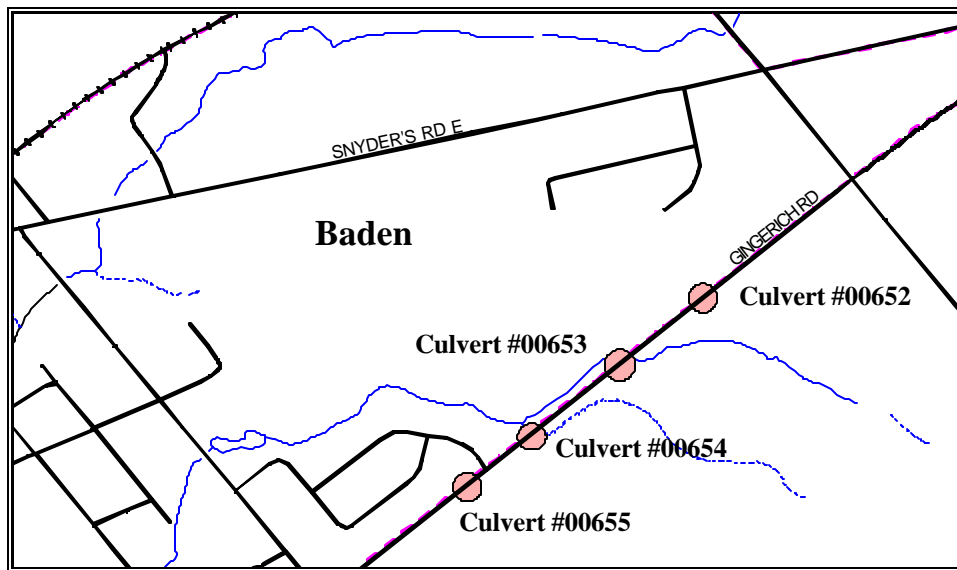
<i>Culvert No.</i>	00654
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1950
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Open Footing
<i>Spans</i>	1
<i>Dimensions</i>	Length 3.0 m Width 36.8 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span concrete open footing culvert. The culvert is covered with approximately 1 m of fill with a paved roadway surface.



Regional Road 6 Culvert (00654)

North East View



Regional Road 6 Culvert (00655)

Location Gingerich Road, between Twp Rd 16 (now Sand Hills Road) and Brewery Street, Baden, Township of Wilmot.

General Information

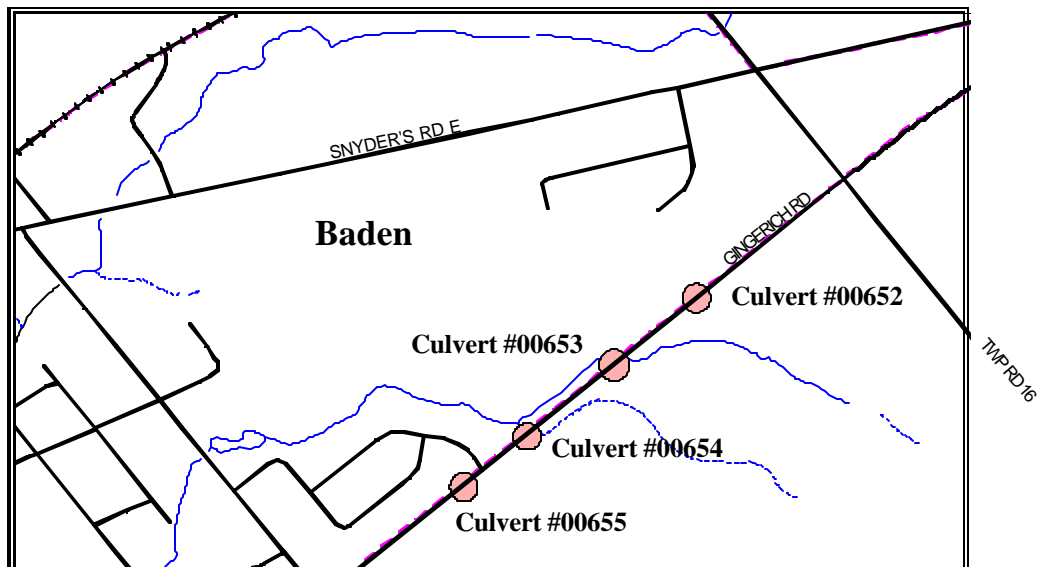
<i>Culvert No.</i>	00655
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1950
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Solid slab
<i>Spans</i>	1
<i>Dimensions</i>	Length 3.8 m Width 23.2 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span concrete structure with a solid deck slab. The culvert is covered with approximately 600 mm of fill with a paved roadway surface.



Regional Road 6 Culvert (00655)

North East View



Regional Road 22 Culvert, Lots 31 & 41

Location Regional Road 22 (now Northfield Drive E.), 0.75 km North of Regional Road 17 (now Sawmill Road), Lots 31 and 41, Township of Woolwich.

General Information

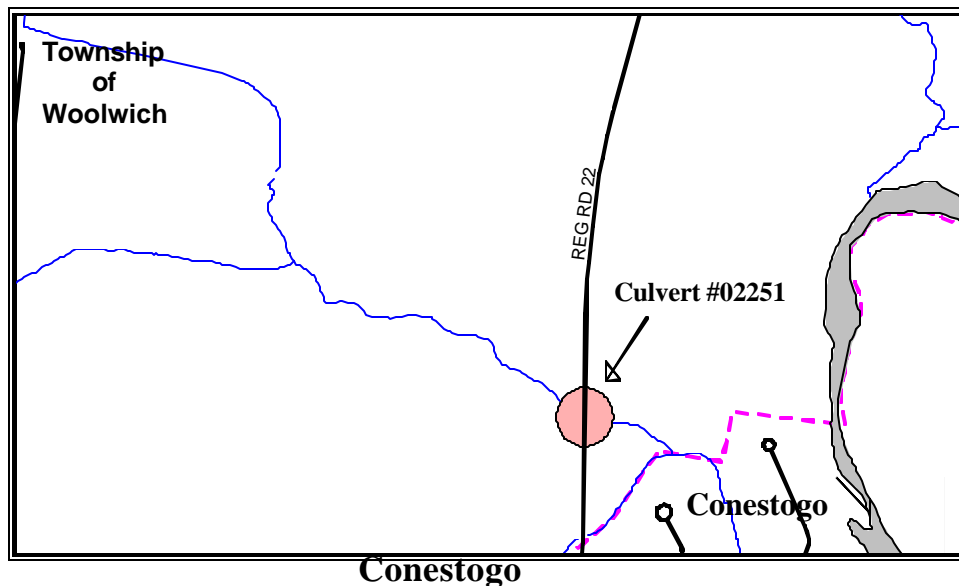
<i>Culvert No.</i>	002251
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1950
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Concrete box
<i>Spans</i>	1
<i>Dimensions</i>	Length 3.1m Width 22.2 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span concrete box culvert. The culvert is covered with 3.5 m of fill with a paved roadway surface. It has steel guardrails with timber posts.



Regional Road 22 Culvert, Lots 31 & 41

West View



Regional Road 22 Culvert, Lot 5

Location Regional Road 22 (now Northfield Drive E.), 0.4 km south of Regional Road 86 (Line 86), Lot 5, west of West Montrose, Township of Woolwich.

General Information

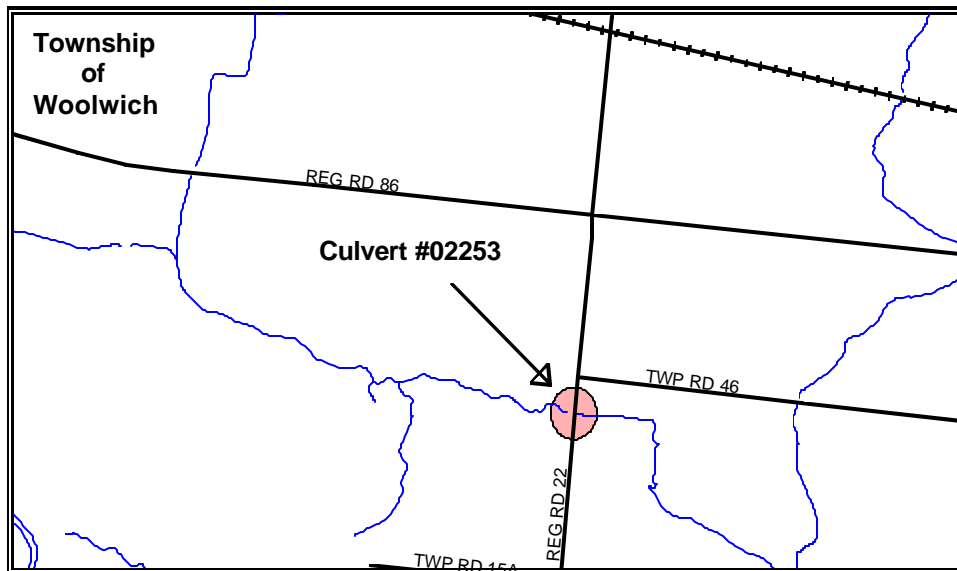
<i>Culvert No.</i>	002253
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1950
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Solid Slab
<i>Spans</i>	1
<i>Dimensions</i>	Length 3.8 m Width 19.2 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span concrete structure with a solid deck slab. The structure is covered with approximately 3 m of fill with a paved roadway. It has steel guide rails.



Regional Road 22 Culvert, Lot 5

North View



Regional Road 86 Culvert

Location Regional Road 86 (now Line 86), 2.15 km east of Regional Road 23, Lot 1, Concession II and Lot 126, Township of Woolwich.

General Information

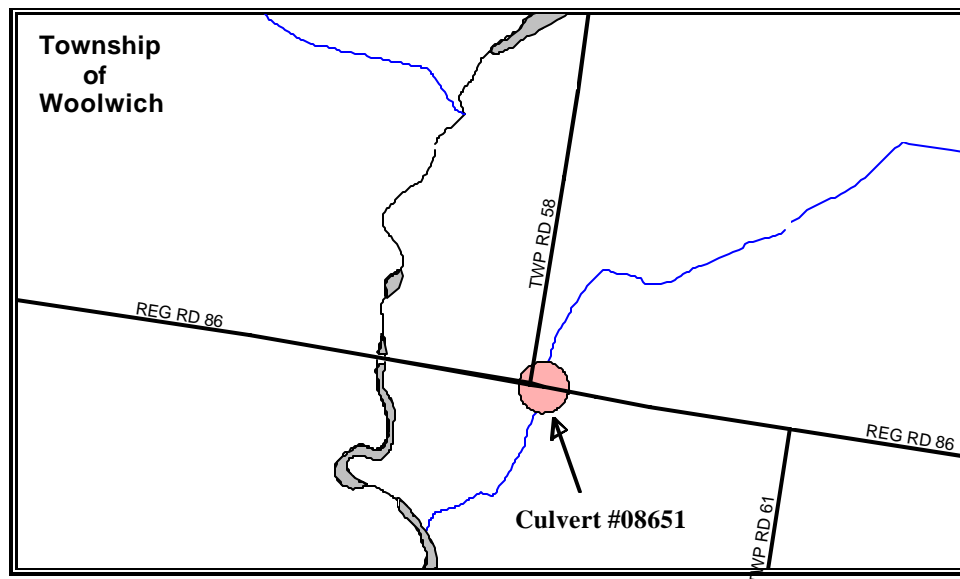
<i>Bridge No.</i>	008651
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1950/1930
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Solid Slab
<i>Spans</i>	1
<i>Dimensions</i>	Length 3.6 m Width 28.3 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span concrete culvert with a solid concrete deck. The culvert is covered with 1.8 m of fill with a paved roadway. The culvert has been widened 2.4 m to the north and 16.8 m to the south.



Regional Road 86 Culvert

North View



North West View



Regional Road 17 Culvert

Location Regional Road 17 (now Fountain Street), 1.2 km north of Kossuth Road, City of Cambridge.

General Information

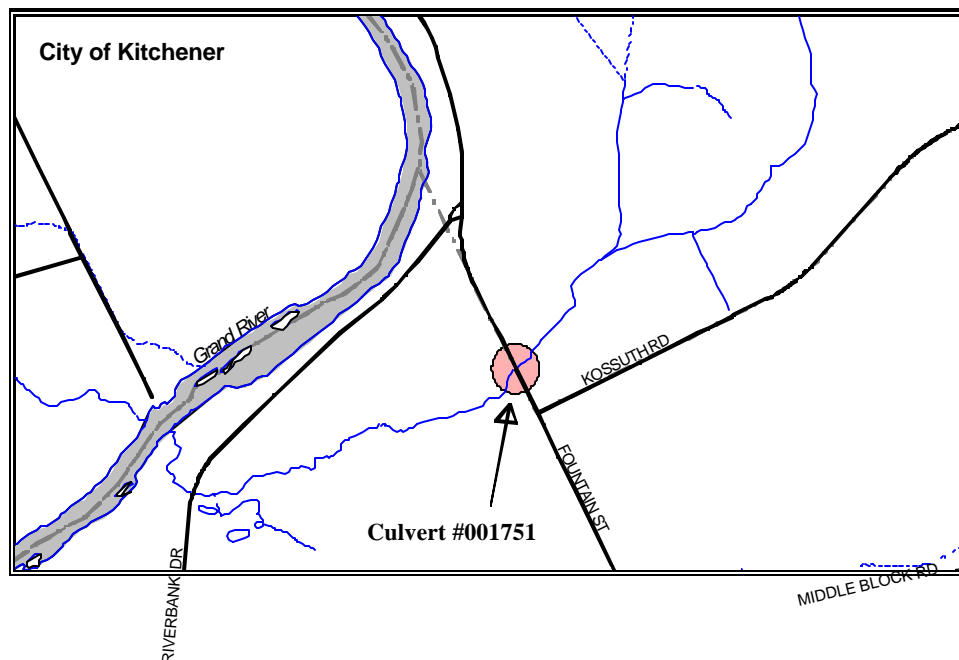
<i>Culvert No.</i>	001751
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1960/1930
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Solid slab
<i>Spans</i>	1
<i>Dimensions</i>	Length 3.5 m Width 21.8 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span concrete culvert with a solid deck slab. The culvert is covered with 2.8 m of fill with a paved roadway. The culvert has been extended twice. The structure was first widened 1.7 m to the east and 3.3 m to the west. During the second widening the structure was extended 5.7 m to both the east and west. The culvert is now an open footing rigid frame design.



Regional Road 17 Culvert

North East View



Colonial Creek Culvert

Location Bridge Street, 0.2 km north of Whitmore Drive, City of Waterloo.

General Information

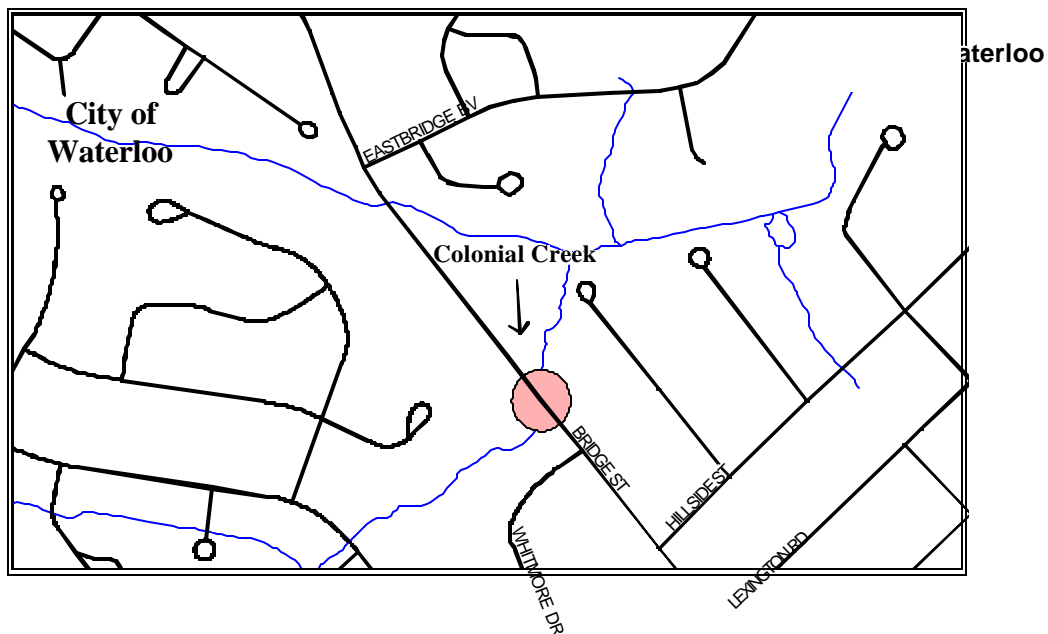
<i>Culvert No.</i>	005251
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Concrete Box
<i>Spans</i>	2
<i>Dimensions</i>	Length 3.5 m Width 30.0 m
<i>Load Limit</i>	None posted

Descriptive details

This is a two span, cast in place, reinforced concrete box culvert.



Colonial Creek Culvert

South East View



Regional Road 10 Culvert

Location Regional Road 10 (now Hergott Road), 0.79 km south of Regional Road 17 (Ament Line), south of Hawkesville, Township of Wellesley.

General Information

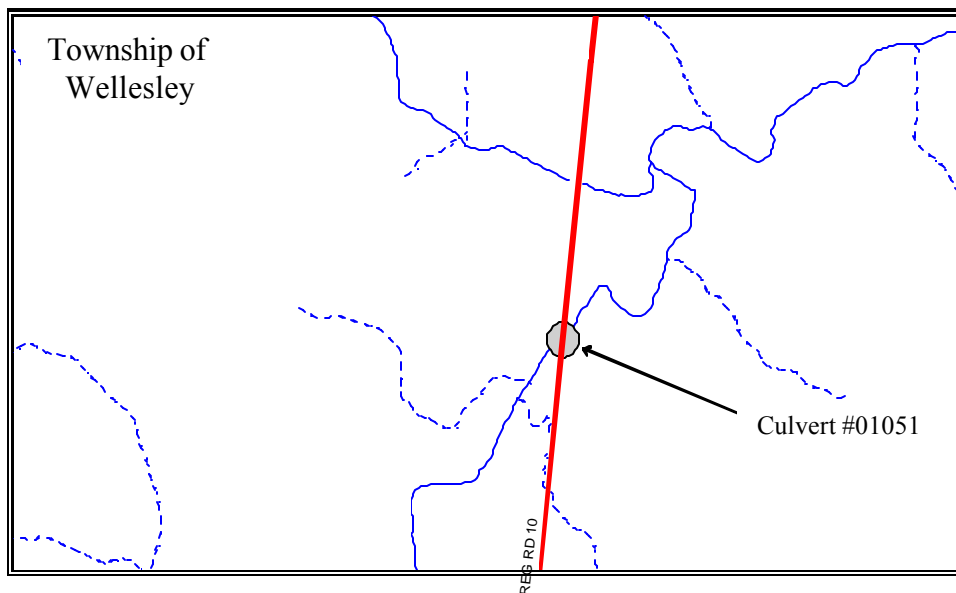
<i>Culvert No.</i>	001051
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1970/1930
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Solid slab
<i>Spans</i>	1
<i>Dimensions</i>	Length 3.1 m Width 27.3 m
<i>Load Limit</i>	None posted

Descriptive details

This is a single span concrete culvert with a solid deck slab. The culvert is covered with 1.5 m of fill with a roadway. The culvert has been widened 5 m to the east and 10 m to the west. The new structure is a concrete box. It has steel cable guide rails.



Regional Road 10 Culvert

West View



Regional Road 15 Culvert

Location Regional Road 15 (now Lobsinger Line), between St. Clements and Heidelberg, Township of Wellesley.

General Information

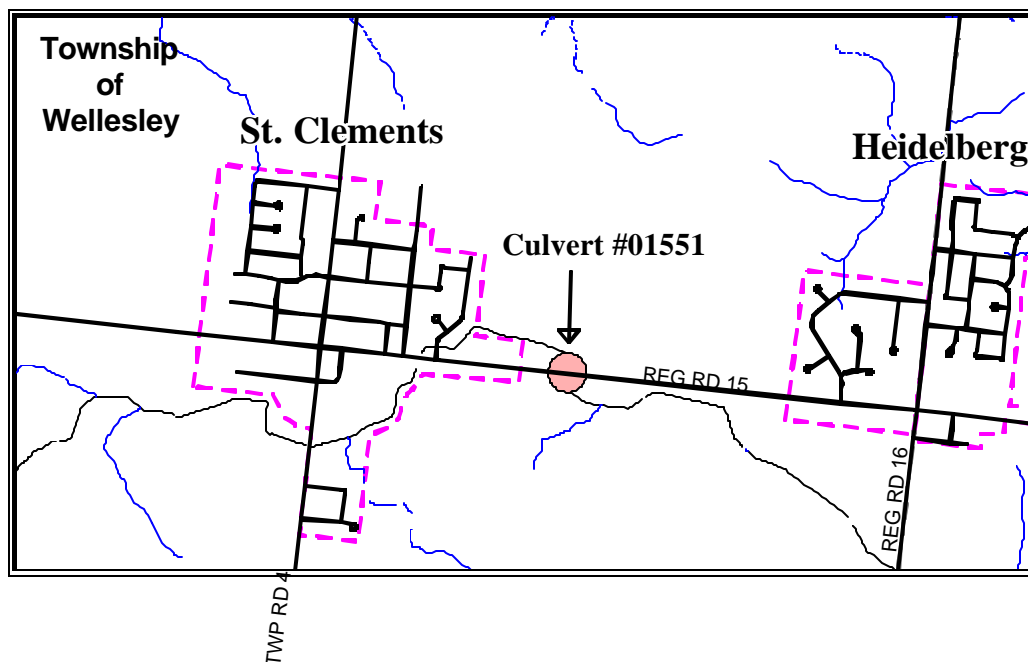
<i>Culvert No.</i>	001551
<i>Jurisdiction</i>	Regional Municipality of Waterloo
<i>Year built</i>	1970/1930
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Solid slab
<i>Spans</i>	1
<i>Dimensions</i>	Length 3.7 m Width 26.3 m
<i>Load Limit</i>	None posted

Descriptive details

The culvert is covered with 1.5 m of fill with a paved roadway. The culvert has been widened approximately 5 m to the north and south. It has steel guide rails and resembles Culvert No. 001051.



Regional Road 15 Culvert

North View



Section 7



Abandoned Bridges

Abandoned Arch

Location To the west of the intersection of Blair Road and Fountain Street, City of Cambridge.

General Information

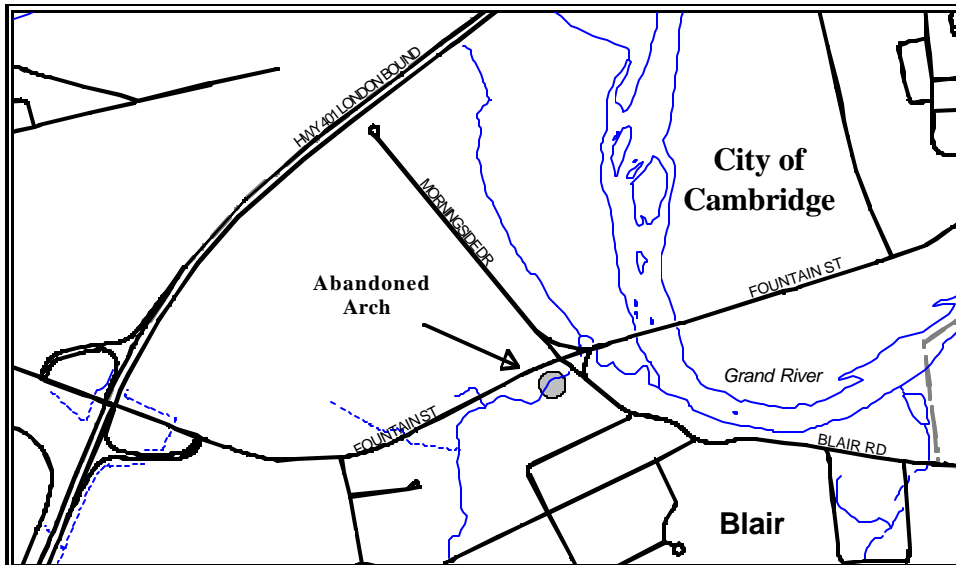
<i>Bridge No.</i>	Not available
<i>Jurisdiction</i>	City of Cambridge
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Stone Masonry Arch
<i>Spans</i>	1
<i>Dimensions</i>	Not known
<i>Load Limit</i>	Pedestrian

Descriptive details

This is a single span stone masonry arch.



Abandoned Arch

South West View



Abandoned Rail Bridge

Location 0.4 km north of Footbridge Road, along abandoned rail line, south of Cambridge, Township of North Dumfries.

General Information

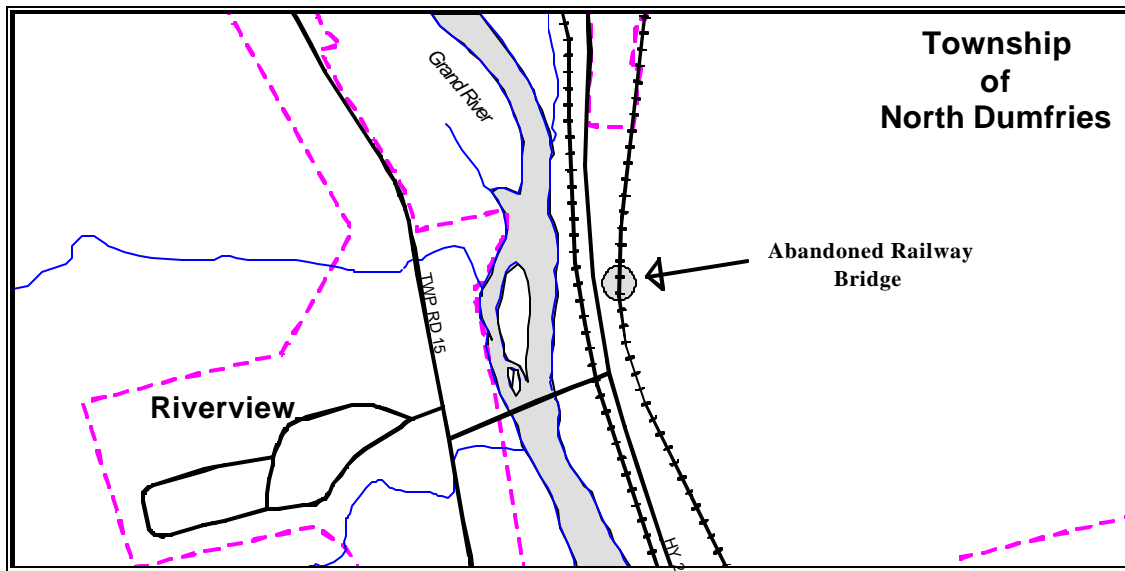
<i>Bridge No.</i>	Not available
<i>Jurisdiction</i>	Privately owned
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Structural Steel with fabricated wing walls
<i>Spans</i>	1
<i>Dimensions</i>	Not known
<i>Load Limit</i>	Not posted

Descriptive details

This is a single span structural steel railway bridge. This bridge is incorporated into a privately owned driveway.



Abandoned Rail Bridge

North East Close-up



East View



Abandoned Stone Masonry Arch

Location 0.5 km south of Twp Rd 13 (now Footbridge Road), along abandoned rail line, south of Cambridge, Township of North Dumfries.

General Information

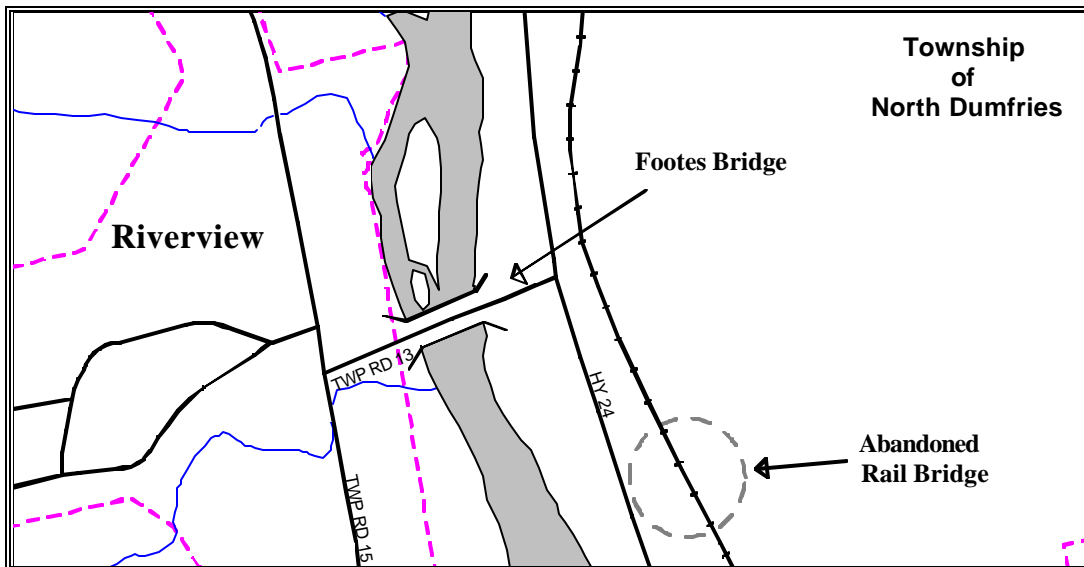
<i>Bridge No.</i>	Not available
<i>Jurisdiction</i>	Not known
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Stone Masonry Arch
<i>Spans</i>	1
<i>Dimensions</i>	Not known
<i>Load Limit</i>	None posted

Descriptive details

At one time this bridge was a railway culvert. It has weathered well over the years. There are no missing stones, no cracked mortar and no water or pollution damage.



Abandoned Stone Masonry Arch

North East View



East View



Elgin Street Bridge (Abandoned)

Location End of Elgin Street, City of Cambridge.

General Information

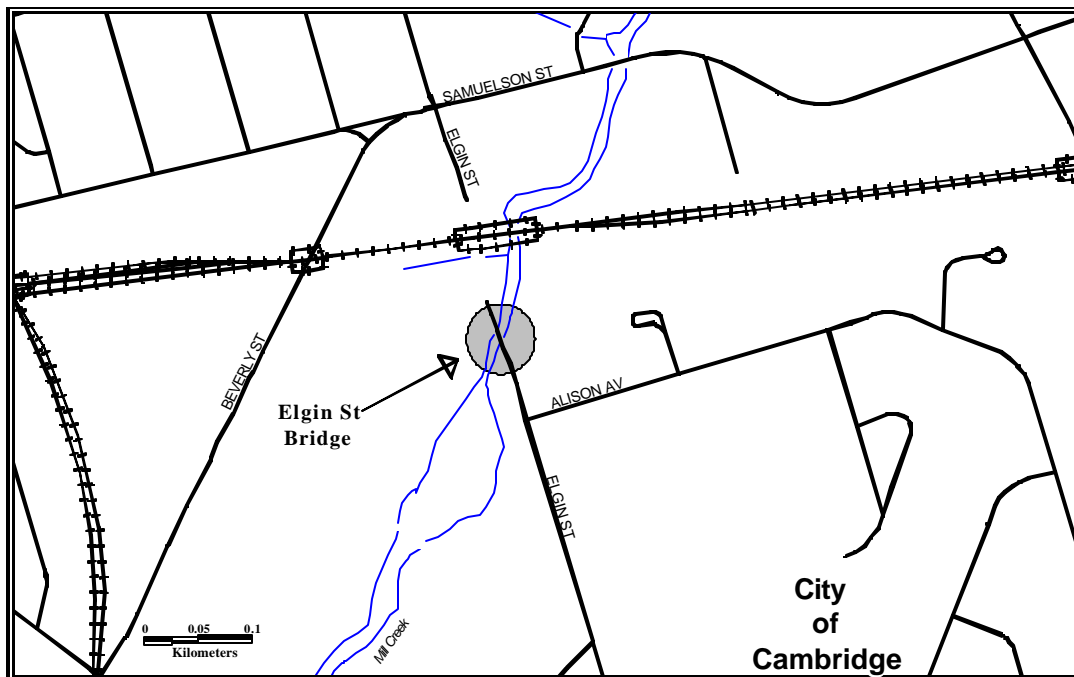
<i>Bridge No.</i>	Not available
<i>Jurisdiction</i>	City of Cambridge
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Precast Concrete
<i>Spans</i>	1
<i>Dimensions</i>	Not known
<i>Load Limit</i>	Pedestrian only

Descriptive details

This is a single span precast concrete bridge. It is near the north exit of Soper Park.



Elgin Street Bridge (Abandoned)

North East View



South View



Wooden Overpass

Location North of Clyde Road, part of C.P.R. track, east side of City of Cambridge.

General Information

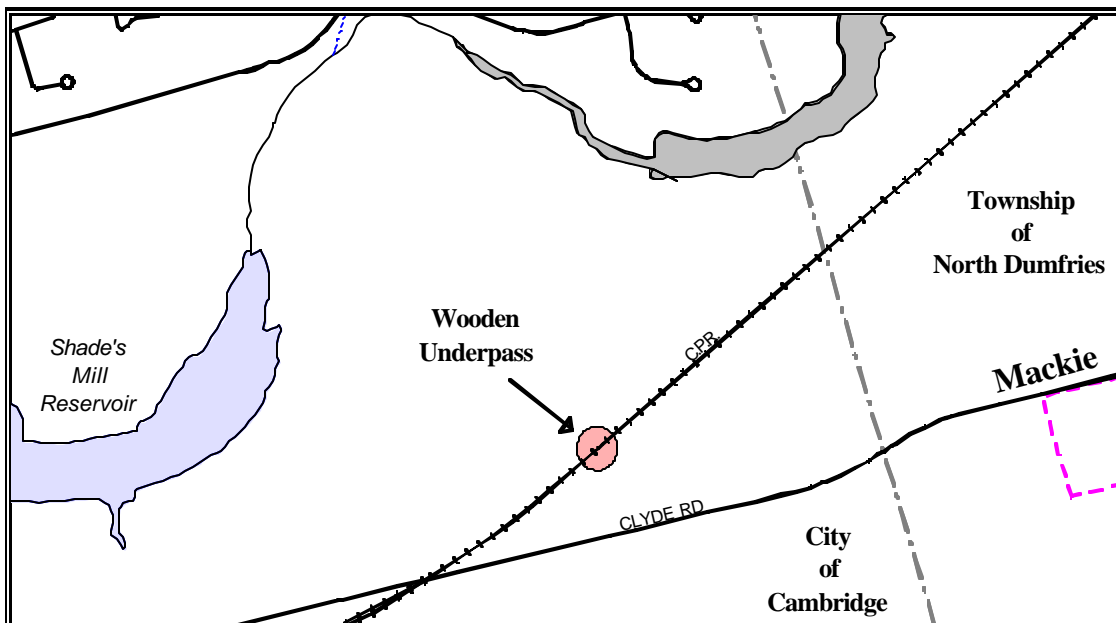
<i>Bridge No.</i>	Not available
<i>Jurisdiction</i>	Privately owned
<i>Year built</i>	Not known
<i>Drawings</i>	Not available

Physical Components

<i>Type</i>	Wooden
<i>Spans</i>	5
<i>Dimensions</i>	Not known
<i>Load Limit</i>	10 tonnes

Descriptive details

This is a five span wooden bridge. The C.P.R. tracks run underneath this bridge. This bridge is part of a privately owned driveway.



Wooden Overpass

South East View



North East View



Appendix A: Assessment Totals

Heritage Assessment of Bridges in Spanning the Generations : Phase 1 Inventory

Evaluated using the criteria from the *Ontario Heritage Bridge Program*.

The bridges are cross-referenced with the Inventory page numbers.

Asterisks indicate bridges which might become heritage bridges with additional research.

Bridge Name	Criteria Score	Inventory page number
Freeport Bridge	78	1.31
West Montrose Covered Bridge	76	1.01
Main Street Bridge	74	1.63
Hartman Bridge	70	1.81
Mill Creek Bridge	68	1.29
Mennonite Bridge	66	2.09
Haysville Bridge	64	1.49
Bridgeport Bridge	64	1.73
Park Hill Road Bridge	62	1.69
Blackbridge Road Bridge	62	1.21
Holland Mills Road Bridge	60	1.07
Conestogo Bridge	60	1.35
Huron Road Bridge	60	1.51
Bridge #6 Bridge	60	1.05
Suspension Bridge	60	3.03
Nithvale Bridge (abandoned)	60	1.03
Piper Street Bridge	58	1.09
Shade Street Bridge	58	2.01
Blair Bridge	54	2.03
Winterbourne Bridge	52	1.19
Schuett Bridge*	49	1.17
Dundas Street Culvert*	49	6.01
Elgin Street Bridge (abandoned)*	48	7.07
Bridge Street Bridge*	48	1.13
Chamber's Bridge*	48	1.47
Oxford-Waterloo Road Bridge*	48	1.11
Floradale Bridge*	47	1.15
Bridge #12*	46	1.61
Bridge #10*	46	1.59
Bridge #17*	44	1.95
Park Street Underpass*	43	4.05
Abandoned Arch*	40	7.01

Pedestrian Walkway	40	3.01
Speed Island Trail Bridge*	39	2.27
Lot 3 Concession 2 Bridge	38	1.43
Perth Street Overpass*	38	4.17
Schneider Creek 2	37	1.39
Schneider Creek 1	37	1.37
King Street Bridge	36	2.29
Mill Race Bridge	36	1.55
Wooden Overpass	35	7.09
Stanley-Piper Street	34	2.21
Abandoned Stone	34	7.05
Footbridge	34	2.19
Lot 64 German Company Tract	32	1.65
Blair Road Underpass*	31	4.15
Bridge #26	31	1.83
Abandoned Rail Bridge*	30	7.03
Bridge #5	30	1.71
Bridge #11	30	1.77
Concession Street Bridge	28	2.25
Bridge # 8	28	1.87
Mill Creek (ND)	28	1.107
Water Street Overpass	27	4.07
Beitz' Bridge	26	1.23
Klein's Bridge	24	1.27
Breslau Bridge	23	2.23
George Street Underpass	21	4.03
Beverly Street Overpass	21	4.01
Martin's Bridge	20	1.79
Lot 82 German Company Tract	20	1.33
Lots 114/115 German Company Tract	20	1.41
King Street Mill Race	19	1.53
St Jacobs Viaduct	19	5.07
Mill Creek Overpass	19	4.11
Spies Bridge	18	1.93
Doon Village Road	18	1.85
Lot 69 German Company Tract	17	1.25
Lot 122 German Company Tract	16	1.91
Lot 19 German Company Tract	16	1.89
Bridge #9	16	1.97
Bridge #13	16	1.99
Floradale Road	15	1.45
Moffat Creek	15	1.57
New Hamburg Viaduct	15	5.05
Grand River Viaduct	15	5.03

Freeport Viaduct	15	5.01
Old Fisher Mills Bridge	14	2.13
Bridge #31	14	2.17
Beaverdale Road	14	2.11
Bridge #30	14	2.15
Balzer Road	13	1.67
Grantham Rail Bridge	13	4.13
RR654 Culvert	13	6.09
Bamberg Creek	13	1.75
RR653 Culvert	13	6.07
Colonial Creek	13	6.21
RR655 Culvert	13	6.11
RR652 Culvert	13	6.05
RR22 Culvert, Lots 31 & 41	11	6.13
Lot 22, Concession I&II	11	1.105
Eden Creek	11	1.101
Blair Road Culvert	11	6.03
RR17 Culvert	11	6.19
Vanier Drive	11	1.109
Ellis Creek	11	1.103
RR 86 Culvert	11	6.17
RR2251 Culvert	11	6.15
RR15 Culvert	11	6.25
RR10 Culvert	11	6.23
CN 3001 Overpass	09	4.19
Speedsville North	09	2.05
Speedsville South	09	2.07

Appendix B: Historic Bridge Inventories

The following inventories have been copied from the index of historic Waterloo County Minutes.

1900 Waterloo County Bridges

1908 Waterloo County Bridges

1909 Waterloo County Bridges

1910 Waterloo County Bridges

These inventories illustrate the rate of progress Waterloo County experienced at the turn of the century. In less than 10 years the County replaced 12 iron bridges and 14 wooden bridges with concrete versions. There are no remaining wrought iron bridges left in Waterloo Region. These inventories also illustrate that most new bridges occupy traditional bridge locations.

Waterloo County Bridges 1900

No.	Length	Material	Foundation	Location and Name
1	129 ft.	Iron	Stone	Hespeler
2	123 ft.	Iron	Stone	Ayr
3	128 ft.	Iron	Cylinders	Ayr-Nithvale
4	110 ft.	Iron	Stone	New Hamburg-Rau's
5	105 ft.	Iron	Stone	New Hamburg-Hartman's
6	110 ft.	Wood	Piles	New Hamburg-Helmer's
7	142 ft.	Iron	Stone	Between Wellesley and Peel- Wallenstein
8	65 ft.	Iron	Stone	Between Wellesley and Peel Mornington -Armstrong's
9	70 ft.	Iron	Stone	Between Wellesley and Peel Mornington - Chalmers
10	110 ft.	Iron	Stone	Between Wellesley and Peel North Easthope -Gremm's
11	110 ft.	Iron	Stone	Between Wilmot and North Easthope -Lisbon
12	35 ft.	Iron	Stone	Between Wilmot and North Easthope -Lisbon
13	110 ft.	Iron	Piles	Between N. Dumfries and Blenheim -Greenfield
14	120 ft.	Wood	Crib	Between N. Dumfries and Blenheim-Slabtown

15	40 ft.	Wood	Floating	Between N. Dumfries and S. Dumfries
16	170 ft.	Wood	Crib	Between Woolwich and Pilkington -Chambers
17	40 ft.	Wood	Piles	Between Woolwich and Peel - Mannly's
18	35 ft.	Wood	Piles	Between Wellesley and Mornington -Kennedy's
19	40 ft.	Wood	Piles	Between Wellesley and Mornington -Taylor's
20	140 ft.	Wood	Bent	Between Wilmot and Blenheim - Schlegel's
21	65 ft.	Combined	Bent.	Between Wilmot and Blenheim - Woollen Factory
22	40 ft.	Wood	Piles	Between Wilmot and Blandford.
23	45 ft.	Wood	Piles	Between Wilmot and East Zorra
24	40 ft.	Wood	Piles	Between Wilmot and East Zorra
25	60 ft.	Combined	Piles	Between Wilmot and Blandford
26	30 ft.	Wood	Bent	Between Wellesley and Peel
27	34 ft.	Wood	Bent	Between Wellesley and Peel
28	34 ft.	Wood	Bent	Between Wellesley and Peel
29	40 ft.	Wood	Bent	Between Wellesley and Peel

Schedule of Bridges for the County of Waterloo

Constructed during the period beginning July 10th 1908, ending Dec 1st 1908.

No of Road	Name and Location of Bridge	Number of Spans	Length of Span or Spans	Clear Width of Roadway	Substructure Material	Superstructure	Total Cost of Bridge	General Description of Reworks.
14	Phillipsburg Bridge	1	16 ft.	14'	Concrete	7-10" Beams & 13" concrete floor	\$664.55	This amount included \$87.00 for filling approaches & graveling
15	Old Granary Bridge south of Haysville	1	25½ ft.	14'	Concrete	2-20" I Beams with 7" I-Beams of concrete floor.	\$695.10	
24	Gramm's Bridge over Nith River	1	108½ ft.	14'	Stone Abutments	Steel	\$417.00	This amount only includes reinforcing bridge by putting in floor, new 7-15" I-Beams 8-11" I-Beams, top plates, 4 ft rods & new concrete bridge seat.
26	Wallenstein Bridge No. I.	1	24 ft. 3 in.	14'	Concrete	7-10" I-Beams with 5" concrete floor & expanded metal	\$430.00	½ paid by Wellington County
26	Wallenstein Bridge No. II.	1	23 ft. 6 in.	14'	Concrete	7-10" I-Beams with 5" concrete floor & corrugated iron arches	\$430.00	½ paid by Wellington County

Schedule of Bridges for the County of Waterloo

Constructed during the period beginning Jan 1st 1909, ending Dec 31st 1909.

No of Road	Name and Location of Bridge	Number of Spans	Length of Span or Spans	Clear Width of Roadway	Substructure Material	Superstructure	Total Cost of Bridge	General Description of Reworks.
17	Wilby Bridge over River Nith	1	100 ft.	14'	Reinforced concrete	Steel	\$ 3275.00	Riveted Pratt truss -concrete floor to be put on in spring
17	Wilby Culvert over small creek	1	10 ft.	14'	Reinforced concrete	Reinforced concrete complete	\$ 380.00	Semicircular arch of reinforced concrete
21	Birmingham Bridge	1	24 ft.	14'	Concrete	Steel beams-complete concrete floor	\$ 510.00	Concrete floor to be put on in spring
26	Powell's Bridge	1	24 ft.	14'	Concrete	7-10" I-Beams with 5" concrete floor	\$ 334.25	½ cost paid by Wellington County
38	Mill Creek Bridge	1	25 ft.	14'	Concrete	5-15" steel beams each 28 ft long	\$ 796.21	Concrete floor (7") reinforced with ½" steel rods 12" on centers
	Hespeler Bridge concrete floor	3	each 43 ft.	18'	Concrete	5-15" steel beams each 28 ft long. 6 " concrete floor put on old steel bridge.	\$ 550.00 \$ 30.00	Reinforced with expanded metal Park services of County Road Superintendent.

Schedule of Bridges for the County of Waterloo

Constructed during the period beginning Jan 1st 1910, ending Dec 31st 1910.

No of Road	Name and Location of Bridge	Number of spans	Length of Span or Spans	Clear Width of Roadway	Substructure Material	Superstructure	Total Cost of Bridge	General Description of Reworks.
3	Breslau Bridge over Grand River	2	[sic] 2 spurs each 130 in.	18'	Stone (old)	Wrought iron (old)	\$ 1363.00	Steel joists on old bridge - 3 oak planks cost not included.
4	Phillipsburg Bridge- West of Village	4	4 spans each 15 ft.	14'	Reinforced concrete	Reinforced concrete	\$ 1202.10	4 separate bridges each 15' span 240 cubic yards reinforced with steel joists.
7	Winterbourne Bridge	1	40 ft.	14'	Concrete (old)	Steel (old)	\$ 122.75	Concrete floor laid on corrugated arched steel between joists.
17	Wilby Bridge over River Nith	1	100 ft.	14'	Concrete built last yr.	Steel-erected last year	\$ 250.00	Concrete expanded metal floor put on bridge erected last year.

Schedule of Bridges for the County of Waterloo

Constructed during the period beginning Jan 1st 1910, ending Dec 31st 1910.

21	Birmingham's Bridge	1	24 ft.	14'	Concrete built last yr.	Steel-erected last year	\$ 199.00	Contract price complete.
21	Steinman's Bridge	1	24 ft.	14'	Concrete	steel beams & concrete floor	\$ 600.00	Contract price complete
24	Kernells Bridge, at Wellesley Village	1	20 ft.	14'	Stone (old)	steel beams & concrete floor	\$ 308.00	Reinforced concrete slab bridge
35	Carrick's Bridge	1	12 ft.	14'	Reinforced concrete	reinforced concrete	\$ 393.96	Contract price complete with Kahn Hans inc.
	Elmira Arch	1	50 ft.	30'	Reinforced concrete	reinforced concrete	\$1900.00	

Appendix C: Contacts and Sources

It is hoped this report will lay the stepping stones for future research. In order to avoid redundancy, this small section includes the various research sources used to complete the evaluation. In many cases the bridge appraisals and general knowledge contained enough information to complete the criteria. For future reference, a list of contacts and sources have been provided. These sources and contacts have parallels in every region. As in most research projects, some information comes easily and some does not. Good luck!

Paper Sources

Archives (Cambridge, Elmira, Kitchener, Regional, Wellington). Archives preserve the paper trails of major decisions. Sometimes they possess bridge specifications, a file on bridges, vertical files about transportation or bridges, historic photographs and County and Township Minutes. The Region of Waterloo Archives possessed accounting ledgers, debentures, indentures, by-laws and road superintendent reports which were quite useful.

Local history libraries (Baden, Kitchener Public Library). These libraries contain information about development, local history, and people. The KPL Grace Schmidt Room was the most useful source. It contained vertical files, (e.g., Waterloo Region's Bridge, Grand River, Nith River), indexed oral histories, rare tourist books from the 1920s, and Waterloo Historic Society volumes.

Newspapers (Waterloo Chronicle, Evening Reporter, KW-Record, Elmira Signet, New Hamburg Independent). The New Hamburg Independent runs a yearly Heritage Edition. Heritage articles bring up past articles about people and places that might otherwise be difficult to find.

Contacts

Bridge or History experts:

Bob McMullen, retired teacher, Cambridge Historian.
David Cuming, expert on heritage bridges, wrote *Discovering Heritage Bridges*
Elizabeth Bloomfield, PhD, local history expert.
Ernie Ritz 662-1037, retired New Hamburg mayor, local historian.
Jeff Hayes, History Professor University of Waterloo
Liz Heinrichs, Historian.
Roger Miller, Elmira, local historian.
Susan Hoffman, KPL, local historian.
Wellesley Historical Society
Woolwich Historical Society
Pat Wagner, Architectural Conservancy of Ontario

Draftsmen:

Cambridge, Glen Shields
Woolwich, Ruthanne Moore

Railway:

David Lukianow, manager of public works of St. Lawrence and Hudson Railway,
subsidiary of CPR.

LACACs and Related Agencies:

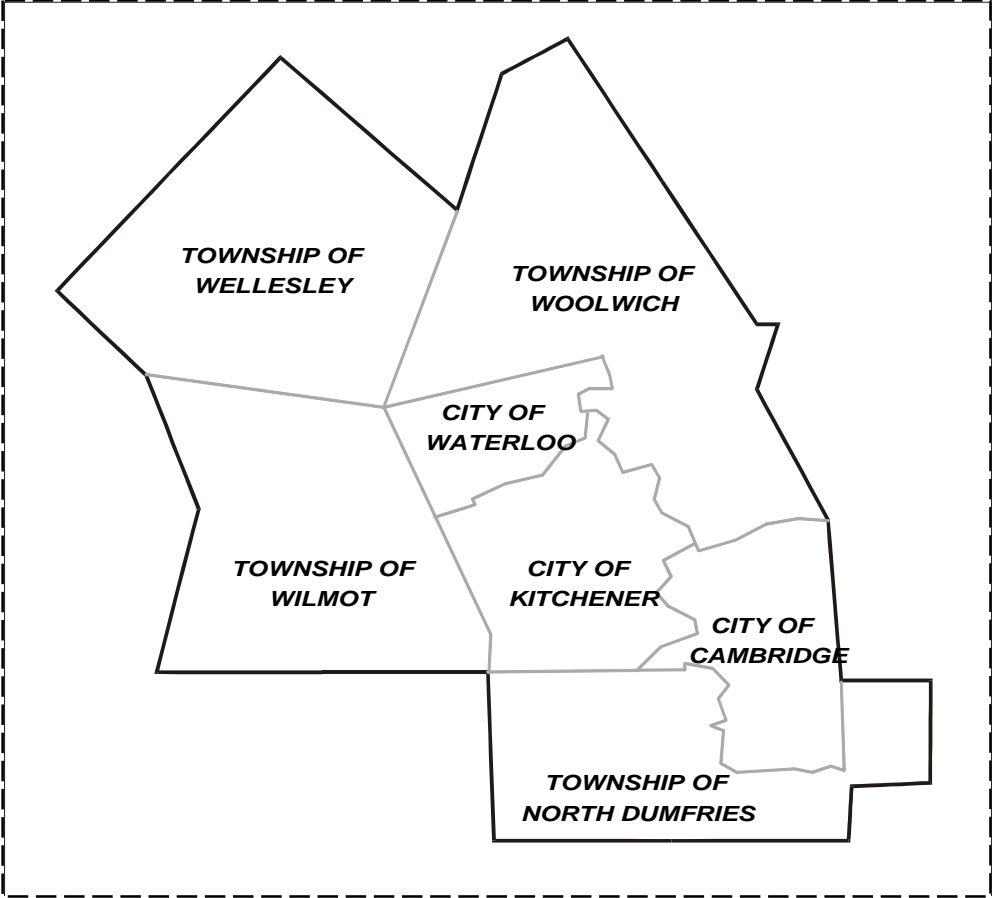
Cambridge, Valerie Spring
Cambridge, Ken Spurgen, retired LACAC, involved in Black Bridge designation.
North Dumfries, Greg Spere
Wilmot, Al Junker

Road Superintendents

Cambridge, Kirit Patel
Kitchener, Larry Lynch
North Dumfries, Gary Smith
Waterloo, George Bowa
Wellesley, Scot Bevy
Wilmot, Gary Charbonneau
Woolwich, Rod Kruger
Region, Dave Hollman

Government Agents and Agencies

Cambridge, community services, Alex Kosh, Laura Simmons
Ministry of Transportation and Culture, Fred Cane-conservation officer, Marilyn Miller-
interest in heritage bridges, John Hogbin, Jeremy Collins, Richard Moorhouse-director
heritage programs, branch of Ontario Heritage Foundation
Doon Heritage Crossroads, Tom Reitz, director
GRCA, Barb Veale



Area Municipalities Comprising the Region of Waterloo

Index

City of Cambridge

Abandoned Arch	7.01
Beaverdale Road	2.11
Beverly Street Underpass	4.01
Blackbridge Road Bridge	1.21
Blackbridge Road Overpass	4.09
Blair Road Culvert	6.03
Blair Road Underpass	4.15
Blair Bridge	2.03
Concession Street	2.25
Dundas Street Culvert	6.01
Ellis Creek	1.103
Elgin Street Bridge (abandoned)	7.07
George Street Underpass	4.03
Grand River Viaduct	5.03
Grantham Rail Bridge	4.13
King Street Mill Race	1.53
King Street Bridge	2.29
Main Street	1.63
Mill Creek	1.29
Mill Creek Overpass	4.11
Mill Race	1.55
Moffat Creek	1.57
Old Fisher Mills Bridge	2.13
Park Hill Road Bridge	1.69
Pedestrian Walkway	3.01
Regional Road 17 Culvert	6.19
Speed Island Trail Bridge	2.27
Speedsville North	2.05
Speedsville South	2.07
Water Street Underpass	4.07

City of Kitchener

Balzer Road	1.67
Bridgeport	1.73
Doon Village Road	1.85
Freeport	1.31
Freeport Viaduct	5.01

Huron Road Bridge	1.51
Park Street Underpass	4.05
Schneider Creek 2 nd	1.39
Schneider Creek 1 st	1.37
Vanier Drive	1.109

City of Waterloo

Colonial Creek	6.21
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Township of North Dumfries

Abandoned Stone Masonry Arch	7.05
Abandoned Rail Bridge	7.03
Eden Creek	1.101
Footbridge	2.19
Stanley-Piper Street	2.21
Mill Creek	1.107
Piper Street Steel Truss	1.09
Nithvale Bridge (abandoned)	1.03
Wooden Overpass	7.09

Township of Wellesley

Bamberg Creek	1.75
Bridge #5	1.71
Bridge #6	1.05
Bridge #8	1.87
Bridge #9	1.97
Bridge #10	1.59
Bridge #11	1.77
Bridge #12	1.61
Bridge #13	1.99
Bridge #17	1.95
Bridge #26	1.83
Regional Road 10 Culvert	6.23
Regional Road 15 Culvert	6.25

Township of Wilmot

Bridge #31	2.17
Bridge Street	1.13
Bridge #30	2.15
RR6 Culvert #652	6.05
RR6 Culvert #653	6.07
RR6 Culvert #654	6.09

RR6 Culvert #655	6.11
Hartman Bridge	1.81
Haysville Truss Bridge	1.49
Holland Mills Road	1.07
Lot 22 Concession I and II	1.105
New Hamburg Viaduct	5.05
Oxford-Waterloo Road	1.11
Perth Street Overpass	4.17
Shade Street	2.01
Suspension Bridge	3.03

Township of Woolwich

Lot 3, Concession2	1.43
Lot 19 German Company Tract	1.89
Lot 64 German Company Tract	1.65
Lot 69 German Company Tract	1.25
Lot 82 German Company Tract	1.33
Lots 114/115 G.C.T..	1.41
Lot 122 G.C.T.	1.91
Beitz' Bridge	1.23
Breslau Bridge	2.23
Floradale Road Bridge	1.45
Chamber's Bridge	1.47
CN3001 Underpass	4.19
Conestogo Bridge	1.35
West Montrose Covered Bridge	1.01
Floradale Bridge	1.15
Klein's Bridge	1.27
Martin's Bridge	1.79
Menonite Bridge	2.09
Regional Road 17 Culvert	6.19
RR22 Culvert, Lots 31&41	6.13
RR22 Culvert	6.15
Regional Road 86 Culvert	6.17
Schuett Bridge	1.17
Spies Bridge	1.93
St. Jacobs Viaduct	5.07
Winterbourne Bridge	1.19