
APPENDIX 8

CULVERT INSPECTION REPORT

City of Thorold

2020 Bridge & Culvert Inspections

Structure Name	Townline Culvert	ID Number	23
Classification	<input type="checkbox"/> Bridge <input checked="" type="checkbox"/> Structure <input checked="" type="checkbox"/> Culvert <input type="checkbox"/> Municipal	Previous ID Number	N/A
Location	Townline Rd W, 50m east of John St	Number of Spans	1
Structure Type	RB	Span Lengths (m)	4
Yr Constructed	c.1960	Deck Area (m2)	112
Yr Rehabilitated	Unknown	Load Posting	No Posting
Inspection Date	06-Oct-20	Current AADT	N/A
Previous Inspection	Unknown	Date AADT	
Next Inspection	2022	Board Order/ Agreement	<input type="checkbox"/>

Effects of Deterioration

The asphalt paved roadway over the structure is generally in fair to good condition. The steel beam guiderail along the north side of the roadway is in poor condition. The cast in place concrete rigid frame box structure could only be inspected from the north end (outlet). The location of the structure inlet is unknown. The visible portions of the north end are generally in fair to good condition. The concrete bridge deck soffit is in fair to good condition. There is leakage onto the soffit from the end of the culvert. There are areas of efflorescent staining and leakage at isolated locations in the deck soffit. The concrete abutment sidewalls are in fair to good condition with light to medium scour along the waterline. The concrete wingwalls and headwall are in fair condition with areas of cracking and efflorescent staining.

Recommendation

None.

General Overall Condition	Fair	Priority Rating	Adequate	Current BCI	68
Estimated Total Cost	\$0.00	Implementation Ranking		Previous BCI	

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Recommended Rehabilitation

Engineering Cost

	\$0.00
	\$0.00
Sub Total	\$0.00

Construction Cost

	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
Sub Total	\$0.00
Total	\$0.00

Additional Notes

Photos: 0001 - 0074
 Inspected by: Arih Struger-Kalkman and Emma Stephenson

*Inlet has not been located.

Measurements:
 Span = Approx. 4m
 Height = Approx. 2m
 Headwall Height = Approx. 1.2m
 Wingwall Length= Approx. 2.2m
 Fill = Approx. 3m
 Roadway Width over Structure = Approx. 3m
 Length = Approx. 28m (20m = North end of building to guiderail, 8m = Guiderail to north end of culvert)

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Photograph No. 1: 0013: Roadway over the structure looking east.



Photograph No. 2: 0033: North elevation.

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Photograph No. 3: 0065: Interior of structure looking south.



Photograph No. 4: 0037: Interior of structure looking south.