

Inventory Data:										
Structure Name	<span style="border: 1px solid black; padding: 2px;">#6 Lost Channel Bridge, Lot 8 Conc V/VI, Hungerford</span>									
Main Hwy/Road#	<span style="border: 1px solid black; padding: 2px;">37</span>	On <input checked="" type="checkbox"/>	Under	Crossing Type	Navig. Water Rail	Water Road	Non-Navig. Ped.	Water Other		
Hwy/Road Name	<span style="border: 1px solid black; padding: 2px;">Lost Channel Road</span>									
Structure Location	<span style="border: 1px solid black; padding: 2px;">2.70 km E of highway #37</span>									
Latitude	<span style="border: 1px solid black; padding: 2px;">44.421603°N</span>	Longitude	<span style="border: 1px solid black; padding: 2px;">77.306535°W</span>							
Owner(s)	<span style="border: 1px solid black; padding: 2px;">Municipality of Tweed</span>	Heritage Designation:	Not Cons. <input checked="" type="checkbox"/>	Cons./not App.	List/not Desig.					
MTO Region	<span style="border: 1px solid black; padding: 2px;">Eastern</span>	Road Class:	Freeway	Arterial	Collector	Local <input checked="" type="checkbox"/>				
MTO District	<span style="border: 1px solid black; padding: 2px;">Kingston</span>	Posted Speed	<span style="border: 1px solid black; padding: 2px;">80 km/h</span>	No. of Lanes	<span style="border: 1px solid black; padding: 2px;">1</span>					
Old County	<span style="border: 1px solid black; padding: 2px;"></span>	AADT	<span style="border: 1px solid black; padding: 2px;"></span>	% Trucks	<span style="border: 1px solid black; padding: 2px;"></span>					
Geographic Twp.	<span style="border: 1px solid black; padding: 2px;"></span>	Inspection Route Sequence	<span style="border: 1px solid black; padding: 2px;"></span>							
Structure Type	<span style="border: 1px solid black; padding: 2px;">T-Beam</span>	Interchange Number	<span style="border: 1px solid black; padding: 2px;"></span>							
Total Deck Length	<span style="border: 1px solid black; padding: 2px;">53.8</span>	(m)	Interchange Structure Number	<span style="border: 1px solid black; padding: 2px;"></span>						
Overall Str. Width	<span style="border: 1px solid black; padding: 2px;">5.7</span>	(m)	Min. Vertical Clearance	<span style="border: 1px solid black; padding: 2px;"></span>					(m)	
Total Deck Area	<span style="border: 1px solid black; padding: 2px;">307</span>	(sq.m)	Special Routes	Transit	Truck	School	Bicycle			
Roadway Width	<span style="border: 1px solid black; padding: 2px;">4.5</span>	(m)	Detour Length Around Bridge	<span style="border: 1px solid black; padding: 2px;">8</span>		(km)				
Skew Angle	<span style="border: 1px solid black; padding: 2px;">0</span>	(Deg.)	Direction of Structure	<span style="border: 1px solid black; padding: 2px;">East-West</span>						
No. of Spans	<span style="border: 1px solid black; padding: 2px;">4</span>	Fill on Structure	<span style="border: 1px solid black; padding: 2px;">0</span>		(m)					
Span Lengths	<span style="border: 1px solid black; padding: 2px;">12, 12, 12, 12</span>							(m)		

Historical Data:			
Year Built	<span style="border: 1px solid black; padding: 2px;">1920</span>	Last Evaluation	<span style="border: 1px solid black; padding: 2px;"></span>
Last Biennial Inspection	<span style="border: 1px solid black; padding: 2px;">2020-09-23</span>	Current Load Limit	<span style="border: 1px solid black; padding: 2px;">15-25-35</span> (tonnes)
Last BridgeMaster Inspection	<span style="border: 1px solid black; padding: 2px;"></span>	Load Limit By-Law#	<span style="border: 1px solid black; padding: 2px;">2020-61</span>
Last Condition Survey	<span style="border: 1px solid black; padding: 2px;"></span>	By-Law Expiry Date	<span style="border: 1px solid black; padding: 2px;"></span>
Last Underwater Inspection	<span style="border: 1px solid black; padding: 2px;"></span>		

Rehab History: (Date/description)  
 - Misc. repairs to the piers, girder and abutment have been previously completed

**Scheduled Improvements:**

Regional Priority Number  Programmed Work Year

Nature of Program Work:

Appraisal Indices:		Comments
Fatigue		
Seismic		
Scour		
Flood		
Geometrics		
Barrier		
Curb		
Load Capacity		

Field Inspection Information:	
Date of Inspection:	May 12, 2022
Inspector:	Abdul Rahman Stott
Others in Party:	Cody Chambers
Equipment Used:	Camera and hand tools
Weather:	Sunny
Temperature:	23°C

Additional Investigations Required:	Priority		
	None	Normal	Urgent
Detailed Deck Condition Survey:	X		
Non-destructive Delamination Survey of Asphalt-Covered Deck:	X		
Substructure Condition Survey:	X		
Detailed Coating Condition Survey:	X		
Underwater Investigation:	X		
Fatigue Investigation:	X		
Seismic Investigation:	X		
Structure Evaluation:		X	
Monitoring of Deformations, Settlements and Movements:	X		

The structure is generally in poor condition on account of extensive structural deterioration

Recommended actions:

- Unclog deck drains as part of regular maintenance
- Clean bridge deck as part of regular maintenance
- Replace approach guiderail and install guiderail on southwest quadrant (NOW)
- Replace Maximum Tonnes signs with those that display correct load posting (NOW)
- Complete major rehabilitation, consisting of the following: (1-5 yrs)
  - Remove and replace barrier wall with code compliant barrier system
  - Remove and replace deck slab
  - Remove and replace T-Beams with new beams
  - Reface/patch abutments, piers, and foundations
  - Reinstate approaches
  - Reinstate embankments and provide slope protection

BCI (2020): 21.12  
 BCI (2022): 19.95

Next Detailed Visual Inspection:	2024
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Suspected Performance Deficiencies

- |   |  |                              |
|---|--|------------------------------|
| 00 None   | 06 Bearing not uniformly loaded/unstable | 12 Slippery surfaces         |
| 01 Load carrying capacity                           | 07 Jammed expansion joint                | 13 Flooding/channel blockage |
| 02 Excessive deformations (deflections & rotations) | 08 Pedestrian/vehicular hazard           | 14 Undermining of foundation |
| 03 Continuing settlement                            | 09 Rough riding surface                  | 15 Unstable embankments      |
| 04 Continuing movements                             | 10 Surface ponding                       | 16 Other                     |
| 05 Seized bearings                                  | 11 Deck drainage                         |                              |

Maintenance Needs

- |                                      |                                 |                               |
|--------------------------------------|---------------------------------|-------------------------------|
| 01 Lift and Swing Bridge Maintenance | 07 Repair of Structural Steel   | 13 Erosion Control at Bridges |
| 02 Bridge Cleaning                   | 08 Repair of Bridge Concrete    | 14 Concrete Sealing           |
| 03 Bridge Handrail Maintenance       | 09 Repair of Bridge Timber      | 15 Rout and Seal              |
| 04 Painting Steel Bridge Structures  | 10 Bailey bridges – Maintenance | 16 Bridge Deck Drainage       |
| 05 Bridge Deck Joint Repair          | 11 Animal/Pest Control          | 17 Other                      |
| 06 Bridge Bearing Maintenance        | 12 Bridge Surface Repair        |                               |

Element Data

Element Group:	Abutments	Length	N/A				
Element Name:	Abutment Walls	Width	4.9m				
Location:	Either end of structure	Height	2.45m				
Material:	Cast-in-place Concrete	Count	2				
Element Type:	Conventional Closed	Total Quantity:	24m <sup>2</sup>				
Environment:	Severe	Limited Inspection	<input type="checkbox"/>				
Protection System:	None					Perform. Deficiencies	Maint. Needs
Condition Data:	Units m <sup>2</sup>	Exc. 0	Good 0	Fair 4.5	Poor* 19.5		
Comments: Extensive wide cracking, severe scaling, honeycombing, and disintegration. West superstructure has shifted. Very severe erosion at east abutment. Spalling and delamination							
Recommended Work: Complete patch repairs/refacing to abutment walls							
		None	6-10 years	1-5 years	<1 year	Urgent	
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Element Group:	Abutments	Length	1m				
Element Name:	Wingwalls	Width	N/A				
Location:	All four quadrants	Height	3m				
Material:	Cast-in-place Concrete	Count	4				
Element Type:		Total Quantity:	12m <sup>2</sup>				
Environment:	Moderate	Limited Inspection	<input type="checkbox"/>				
Protection System:	None					Perform. Deficiencies	Maint. Needs
Condition Data:	Units m <sup>2</sup>	Exc.	Good	Fair 70	Poor* 30		
Comments: Wide horizontal cracks at northwest and southwest wingwalls. Appears to have shifted. Erosion through the wingwalls. Light scaling							
Recommended Work: Complete patch repairs to wingwalls							
		None	6-10 years	1-5 years	<1 year	Urgent	
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Element Group:	Piers	Length					
Element Name:	Shafts/Columns/Pile Bents	Width	7.7m				
Location:	All four quadrants	Height	2.5m				
Material:	Cast-in-place Concrete	Count	3				
Element Type:	Concrete Shafts, Pier Walls	Total Quantity:	115.5m <sup>2</sup>				
Environment:	Benign	Limited Inspection	<input type="checkbox"/>				
Protection System:	None					Perform. Deficiencies	Maint. Needs
Condition Data:	Units m <sup>2</sup>	Exc. 0	Good 0	Fair 50.5	Poor* 65		
Comments: Extensive delamination and spalling. Widespread wide cracking with efflorescence. Severe erosion and undermining along the waterline. Patching is evident on the piers							
Recommended Work: Complete patch repairs to piers							
		None	6-10 years	1-5 years	<1 year	Urgent	
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Element Group:	Approaches	Length	6m				
Element Name:	Wearing Surface	Width	4.5m				
Location:	Either end of deck	Height					
Material:	Gravel	Count	2				
Element Type:		Total Quantity:	54m <sup>2</sup>				
Environment:	Severe	Limited Inspection	<input type="checkbox"/>				
Protection System:	None					Perform. Deficiencies	Maint. Needs
Condition	Units	Exc.	Good	Fair	Poor*		
Data:	m <sup>2</sup>	0	26	20	8	08/09	
Comments: Extensive potholes and uneven riding surface. Erosion at shoulders.							
Recommended Work: Rehabilitate approaches							
		None	<input type="checkbox"/>	6-10 years	<input type="checkbox"/>	1-5 years	<input checked="" type="checkbox"/>
						<1 year	<input type="checkbox"/>
						Urgent	<input type="checkbox"/>

Element Group:	Approaches	Length	10m				
Element Name:	Barriers	Width					
Location:	Along approach edges	Height					
Material:	Steel	Count	3				
Element Type:	Steel Flex Beam on Wood Post	Total Quantity:	30m				
Environment:	Severe	Limited Inspection	<input type="checkbox"/>				
Protection System:	None					Perform. Deficiencies	Maint. Needs
Condition	Units	Exc.	Good	Fair	Poor*		
Data:	m	0	10	0	20	08	
Comments: Extensive deformation with posts rotating outwards. Posts are damaged.							
Recommended Work: Replace approach guiderail and provide guiderail at southwest quadrant as per current standards							
		None	<input type="checkbox"/>	6-10 years	<input type="checkbox"/>	1-5 years	<input type="checkbox"/>
						<1 year	<input type="checkbox"/>
						Urgent	<input checked="" type="checkbox"/>

Element Group:	Barriers	Length	53.8m				
Element Name:	Barrier/Parapet Wall	Width	0.24m				
Location:	Along deck edges	Height	1.15m				
Material:	Cast-in-place Concrete	Count	2				
Element Type:	Parapet Wall without railing	Total Quantity:	273.3m <sup>2</sup>				
Environment:	Severe	Limited Inspection	<input type="checkbox"/>				
Protection System:	None					Perform. Deficiencies	Maint. Needs
Condition	Units	Exc.	Good	Fair	Poor*		
Data:	m <sup>2</sup>	0	0	163.3	110	00	
Comments: Extensive medium to severe scaling. Severe localized spalls and disintegration along base of walls. Wide cracks in southeast post. Large area of disintegration and delamination at the southwest end with exposed and corroded rebar. Wide separatory cracking at northeast end.							
Recommended Work: Remove and replace with code compliant barrier system as part of major rehabilitation							
		None	<input type="checkbox"/>	6-10 years	<input type="checkbox"/>	1-5 years	<input checked="" type="checkbox"/>
						<1 year	<input type="checkbox"/>
						Urgent	<input type="checkbox"/>

Element Group:	Beams/MLEs	Length	12.1m						
Element Name:	Girders	Width	0.5m						
Location:	Underside of deck	Height	0.82m						
Material:	Cast-in-place Concrete	Count	16						
Element Type:	T-Type	Total Quantity:	414.3m <sup>2</sup>						
Environment:	Benign	Limited Inspection	<input type="checkbox"/>						
Protection System:	None						Perform. Deficiencies	Maint. Needs	
Condition	Units	Exc.	Good	Fair	Poor*				
Data:	m <sup>2</sup>	0	0	185	229.3				
Comments: Severe scaling, large spalls, localized delamination, extensive efflorescence. Girders are actively disintegrating, Wide cracking and delamination throughout. Full length wide longitudinal cracking. Narrow to medium shear cracking at west interior girder. Localized severe scaling with exposed and corroded rebar.									
Recommended Work: Remove t-beams and replace with new beams    None <input type="checkbox"/> 6-10 years <input type="checkbox"/> 1-5 years <input checked="" type="checkbox"/> <1 year <input type="checkbox"/> Urgent <input type="checkbox"/>									

Element Group:	Decks	Length	N/A						
Element Name:	Drainage System	Width	N/A						
Location:	Through deck	Height	N/A						
Material:	Steel	Count	32						
Element Type:	Metal Drain Pipes	Total Quantity:	32						
Environment:	Severe	Limited Inspection	<input type="checkbox"/>						
Protection System:	None						Perform. Deficiencies	Maint. Needs	
Condition	Units	Exc.	Good	Fair	Poor*				
Data:	Each	0	0	0	32	00	16		
Comments: Deck drains are clogged									
Recommended Work: Unclog drains as part of regular maintenance    None <input type="checkbox"/> 6-10 years <input type="checkbox"/> 1-5 years <input type="checkbox"/> <1 year <input checked="" type="checkbox"/> Urgent <input type="checkbox"/>									

Element Group:	Decks	Length	53.8m						
Element Name:	Deck Top – Thin Slab	Width	5.7m						
Location:	Spanning between abutments	Height							
Material:	Cast-in-place Concrete	Count	1						
Element Type:		Total Quantity:	307m <sup>2</sup>						
Environment:	Severe	Limited Inspection	<input checked="" type="checkbox"/>						
Protection System:	None						Perform. Deficiencies	Maint. Needs	
Condition	Units	Exc.	Good	Fair	Poor*				
Data:	m <sup>2</sup>	0	0	202	105	00			
Comments: As per condition of soffit									
Recommended Work: Remove and replace deck    None <input type="checkbox"/> 6-10 years <input type="checkbox"/> 1-5 years <input checked="" type="checkbox"/> <1 year <input type="checkbox"/> Urgent <input type="checkbox"/>									

<b>Element Group:</b>		Decks		<b>Length</b>		53.8m		
<b>Element Name:</b>		Soffit – Thin Slab		<b>Width</b>		5.7m		
<b>Location:</b>		Underside of deck		<b>Height</b>				
<b>Material:</b>		Cast-in-place Concrete		<b>Count</b>		1		
<b>Element Type:</b>				<b>Total Quantity:</b>		307m <sup>2</sup>		
<b>Environment:</b>		Benign		<b>Limited Inspection</b>		<input type="checkbox"/>		
<b>Protection System:</b>		None				<b>Perform. Deficiencies</b>		<b>Maint. Needs</b>
<b>Condition</b>	<b>Units</b>	<b>Exc.</b>	<b>Good</b>	<b>Fair</b>	<b>Poor*</b>			
<b>Data:</b>	m <sup>2</sup>	0	28	178	103	00		
Comments: Localized spalling and delamination with exposed and corroded rebar. Narrow to wide cracks with extensive efflorescence and stalactite formation. Moisture accumulation and corrosion staining. Medium scaling, localized medium honeycombing,								
Recommended Work: Remove and replace deck                 None <input type="checkbox"/> 6-10 years <input type="checkbox"/> 1-5 years <input checked="" type="checkbox"/> <1 year <input type="checkbox"/> Urgent <input type="checkbox"/>								

<b>Element Group:</b>		Decks		<b>Length</b>		53.8m		
<b>Element Name:</b>		Wearing Surface		<b>Width</b>		5.7m		
<b>Location:</b>		Covering deck		<b>Height</b>				
<b>Material:</b>		Asphalt		<b>Count</b>		1		
<b>Element Type:</b>				<b>Total Quantity:</b>		307m <sup>2</sup>		
<b>Environment:</b>		Severe		<b>Limited Inspection</b>		<input type="checkbox"/>		
<b>Protection System:</b>		None				<b>Perform. Deficiencies</b>		<b>Maint. Needs</b>
<b>Condition</b>	<b>Units</b>	<b>Exc.</b>	<b>Good</b>	<b>Fair</b>	<b>Poor*</b>			
<b>Data:</b>	m <sup>2</sup>	0	40	210	57	00		
Comments: Full width medium to wide cracks. Extensive pothole formation. Light to medium wheel track rutting and significant accumulation of gravel debris								
Recommended Work: Clean bridge deck as part of regular maintenance                 None <input type="checkbox"/> 6-10 years <input type="checkbox"/> 1-5 years <input type="checkbox"/> <1 year <input checked="" type="checkbox"/> Urgent <input type="checkbox"/>								

<b>Element Group:</b>		Embankments & Streams		<b>Length</b>		N/A		
<b>Element Name:</b>		Embankments		<b>Width</b>		N/A		
<b>Location:</b>		Side slopes and in front of abutments		<b>Height</b>		N/A		
<b>Material:</b>				<b>Count</b>		4		
<b>Element Type:</b>				<b>Total Quantity:</b>		4		
<b>Environment:</b>				<b>Limited Inspection</b>		<input type="checkbox"/>		
<b>Protection System:</b>		None				<b>Perform. Deficiencies</b>		<b>Maint. Needs</b>
<b>Condition</b>	<b>Units</b>	<b>Exc.</b>	<b>Good</b>	<b>Fair</b>	<b>Poor*</b>			
<b>Data:</b>	Each	0	0	0	4	00		
Comments: Severe erosion on all embankments which is encroaching onto shoulders								
Recommended Work: Reinststate embankments and provide slope protection                 None <input type="checkbox"/> 6-10 years <input type="checkbox"/> 1-5 years <input checked="" type="checkbox"/> <1 year <input type="checkbox"/> Urgent <input type="checkbox"/>								

Element Group:	Embankments & Streams	Length	N/A					
Element Name:	Streams and Waterways	Width	N/A					
Location:	Below structure	Height	N/A					
Material:		Count	N/A					
Element Type:		Total Quantity:	All					
Environment:		Limited Inspection	<input type="checkbox"/>					
Protection System:	None					Perform. Deficiencies	Maint. Needs	
Condition	Units	Exc.	Good	Fair	Poor*			
Data:	All		All			00		
Comments: Watercourse flows south								
Recommended Work: None <input checked="" type="checkbox"/> 6-10 years <input type="checkbox"/> 1-5 years <input type="checkbox"/> <1 year <input type="checkbox"/> Urgent <input type="checkbox"/>								

Element Group:	Foundations	Length	N/A					
Element Name:	Foundation (below grd lvl)	Width	N/A					
Location:	Buried substructure	Height	N/A					
Material:		Count	N/A					
Element Type:		Total Quantity:	N/A					
Environment:		Limited Inspection	<input checked="" type="checkbox"/>					
Protection System:	None					Perform. Deficiencies	Maint. Needs	
Condition	Units	Exc.	Good	Fair	Poor*			
Data:	N/A					00		
Comments: Pier footings exhibit severe erosion and cracking								
Recommended Work: Reface and patch foundations None <input type="checkbox"/> 6-10 years <input type="checkbox"/> 1-5 years <input checked="" type="checkbox"/> <1 year <input type="checkbox"/> Urgent <input type="checkbox"/>								

Element Group:	Accessories	Length	N/A					
Element Name:	Signs	Width	N/A					
Location:	All four quadrants	Height	N/A					
Material:	Steel	Count	6					
Element Type:	Hazard Marker and Maximum Tonnes Signs	Total Quantity:	6					
Environment:	Severe	Limited Inspection	<input type="checkbox"/>					
Protection System:	None					Perform. Deficiencies	Maint. Needs	
Condition	Units	Exc.	Good	Fair	Poor*			
Data:	Each	0	5	0	1	00		
Comments: Deformation on southwest and northwest hazard signs. Both max tonnes signs display higher than acceptable traffic loads that predate the 2020 by-law								
Recommended Work: Remove and replace the Maximum Tonnes signs with the correct load-posting None <input type="checkbox"/> 6-10 years <input type="checkbox"/> 1-5 years <input type="checkbox"/> <1 year <input type="checkbox"/> Urgent <input checked="" type="checkbox"/>								



**BRIDGE PHOTOGRAPHS**

Owner: Municipality Of Tweed  
Hwy/Road Name: Lost Channel Road

Structure Name: Lost Channel Bridge  
Location: 2.70 km east of Highway 37



*Photo 1: East Approach and Deck Top Looking West*



*Photo 2: North Interior Barrier Wall Looking West*

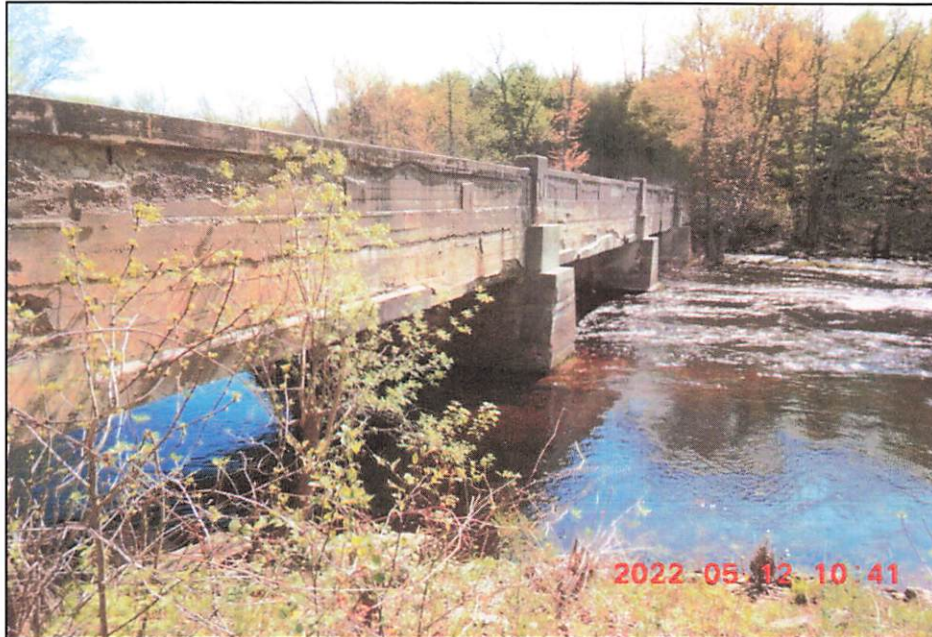
**BRIDGE PHOTOGRAPHS**

Owner: Municipality Of Tweed

Structure Name: Lost Channel Bridge

Hwy/Road Name: Lost Channel Road

Location: 2.70 km east of Highway 37



*Photo 3: South Exterior Barrier Wall, Fascia, and T-Beam Looking East*



*Photo 4: Efflorescence on West Abutment Wall and Scaling and Stalactites on T-Beam*

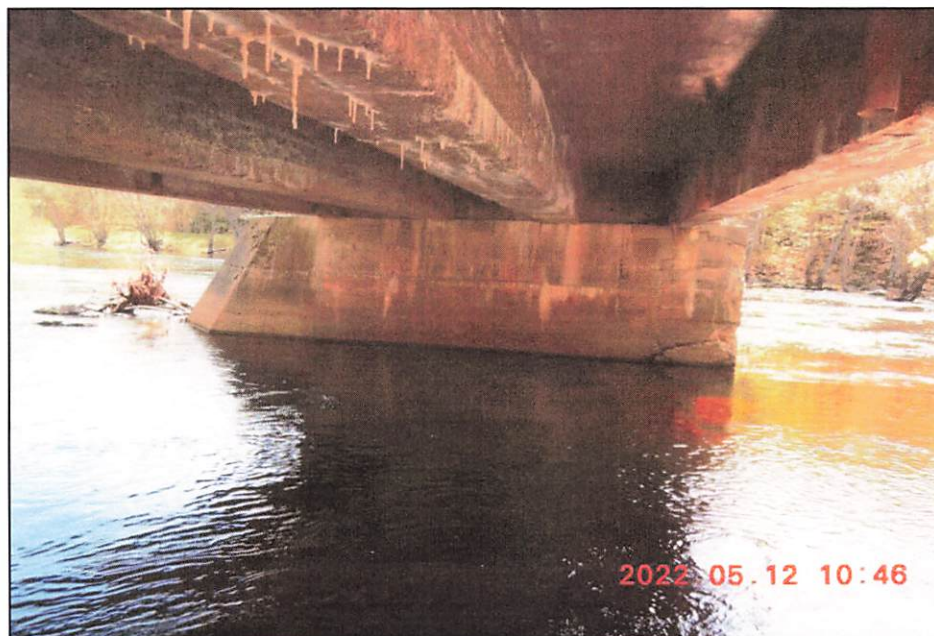
**BRIDGE PHOTOGRAPHS**

Owner: Municipality Of Tweed  
Hwy/Road Name: Lost Channel Road

Structure Name: Lost Channel Bridge  
Location: 2.70 km east of Highway 37



*Photo 5: Cracking and Efflorescence on West Span Inter T-Beams and Soffit*



*Photo 6: Spall on West Pier West Face and Scaling, Cracking, and Stalactites on T-Beams*

**BRIDGE PHOTOGRAPHS**

Owner: Municipality Of Tweed  
Hwy/Road Name: Lost Channel Road

Structure Name: Lost Channel Bridge  
Location: 2.70 km east of Highway 37



*Photo 7: Erosion, Scaling and Cracking on East Abutment Wall*



*Photo 8: Fractured Post and Deformation on Southeast Approach Barrier*

**BRIDGE PHOTOGRAPHS**

Owner: Municipality Of Tweed

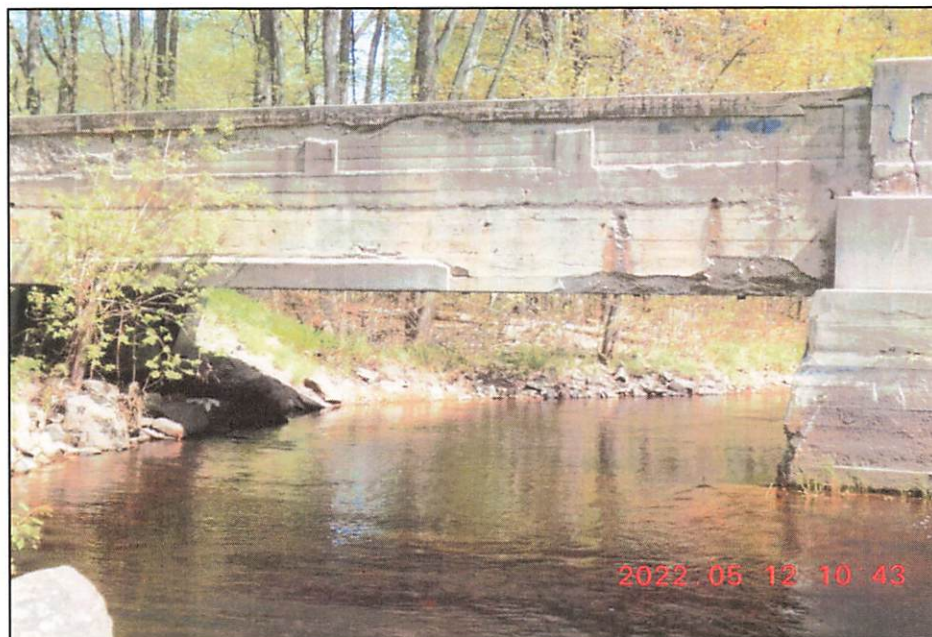
Structure Name: Lost Channel Bridge

Hwy/Road Name: Lost Channel Road

Location: 2.70 km east of Highway 37



*Photo 9: Spalling on Southeast Barrier Post*



*Photo 10: Spalling with Exposed Rebar and Patch on West Span South Exterior T-Beam*

**BRIDGE PHOTOGRAPHS**

Owner: Municipality Of Tweed  
Hwy/Road Name: Lost Channel Road

Structure Name: Lost Channel Bridge  
Location: 2.70 km east of Highway 37



*Photo 11: Scaling, Erosion, and Cracking with Efflorescence on West Pier South Face*



*Photo 12: Spalling with Exposed Rebar on North Exterior T-Beam*

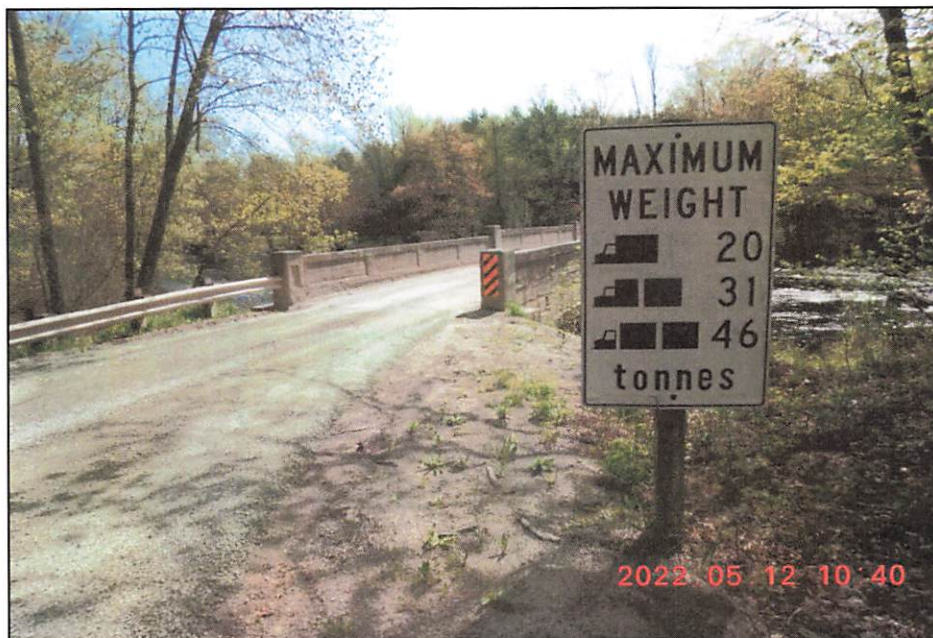
**BRIDGE PHOTOGRAPHS**

Owner: Municipality Of Tweed  
Hwy/Road Name: Lost Channel Road

Structure Name: Lost Channel Bridge  
Location: 2.70 km east of Highway 37



*Photo 13: Scaling on South Interior Barrier Wall*



*Photo 14: Old Maximum Tonnes Sign and West Approach*

**BRIDGE PHOTOGRAPHS**

Owner: Municipality Of Tweed  
Hwy/Road Name: Lost Channel Road

Structure Name: Lost Channel Bridge  
Location: 2.70 km east of Highway 37



*Photo 15: Erosion/Washout on Southeast Approach*



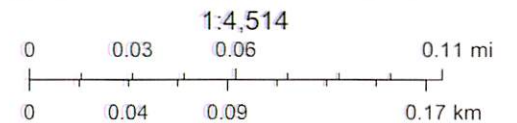
# Lost Channel Bridge Location



2/8/2023, 3:22:53 PM

Civic Addresses

Property Information

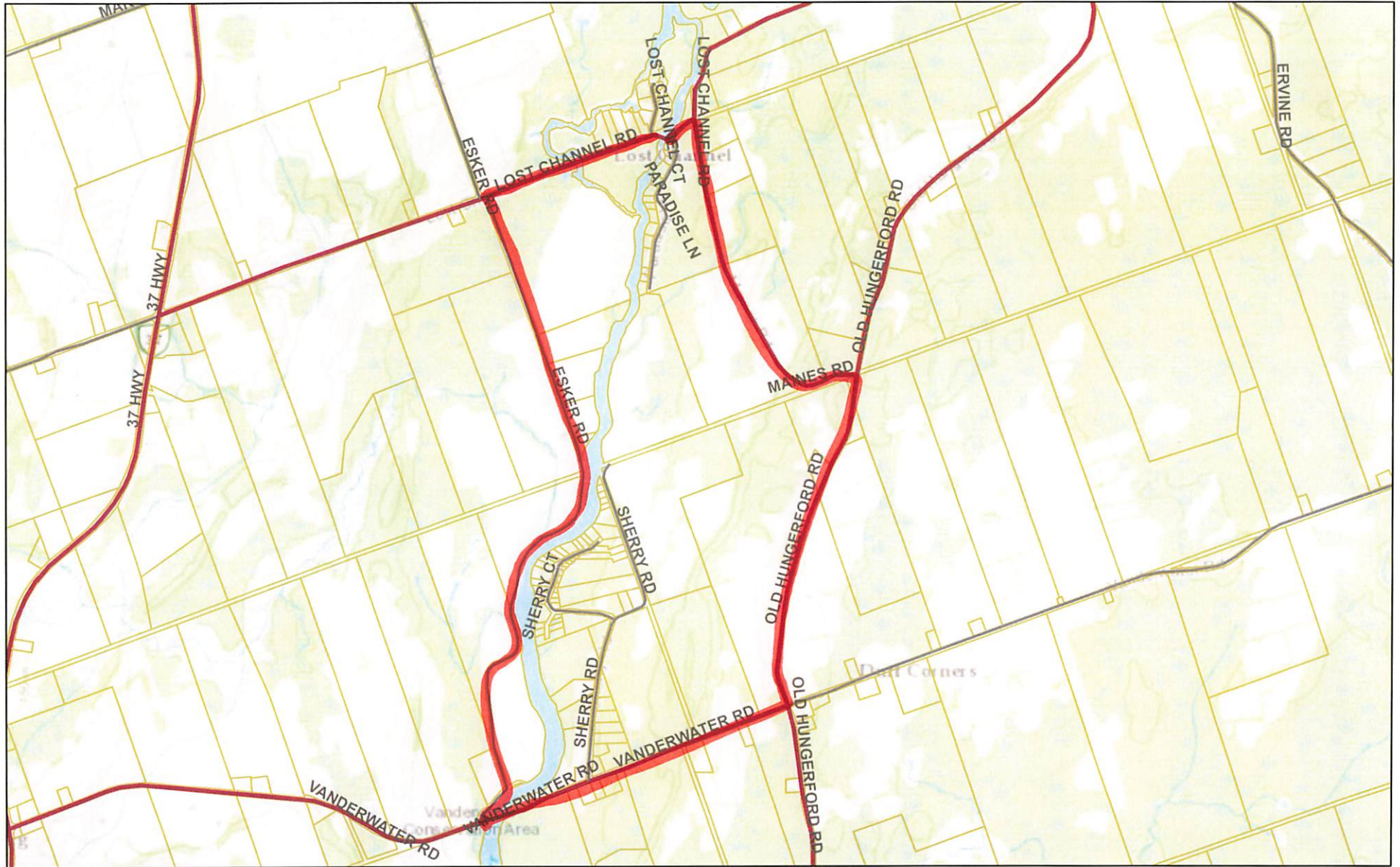


Hastings County, Province of Ontario, Ontario MNR, Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA, AAFC, NRCan

Hastings County GIS

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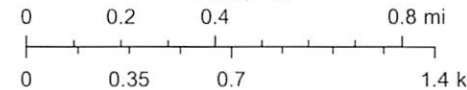
# Lost Channel Bridge Detour



8/29/2023, 3:15:49 PM

 Property Information

1:36,112



Hastings County, Province of Ontario, Ontario MNR, Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA, AAF, C.

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