

Element Inspection

Element Group:	Approaches	Site Number:	B-023
Element Name:	Barrier/Parapet walls	Width:	0.27 m
Element type:	Parapet wall w/ a double railing	Height:	0.7 m
Sub-element:	Interior	Length:	5 m
Material:	Cast-in-place Concrete	Count:	4
Location:		Total Quantity:	19 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:			

General Comments:

Light localized map cracking at connection to guide rail.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-023"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text"/> m
Element type:	<input type="text" value="Parapet wall w/ a double railing"/>	Height:	<input type="text" value="0.7"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="14"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-023"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text" value="0.27"/> m
Element type:	<input type="text" value="Parapet wall w/ a double railing"/>	Height:	<input type="text" value="0.7"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="13.5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="26"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	Barriers	Site Number:	B-023	
Element Name:	Barrier/Parapet walls	Width:		m
Element type:	Parapet wall w/ a double railing	Height:	0.7	m
Sub-element:	Exterior	Length:	13.5	m
Material:	Cast-in-place Concrete	Count:	2	
Location:		Total Quantity:	19	sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>	
Perform. deficiencies:	None	Maintenance Type:		
Maint needs:		Maint. Time Period:		

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:			

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-023"/>
Element Name:	<input type="text" value="Hand railings"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="13.5"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="27"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-023"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="9.9"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="13.5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="134"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	B-023
Element Name:	Wearing surface	Width:	6.5 m
Element type:		Height:	m
Sub-element:		Length:	13.5 m
Material:	Stone Chip	Count:	
Location:		Total Quantity:	88 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:			

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="B-023"/>
Element Name:	<input type="text" value="Streams & waterways"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/>
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="B-023"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Sidewalks/curbs"/>	Site Number:	<input type="text" value="B-023"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.55"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="13.5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="27"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="B-023"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	Abutments	Site Number:	B-023
Element Name:	Walls	Width:	9.9 m
Element type:	Legs of a rigid frame	Height:	1.5 m
Sub-element:		Length:	
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	30 sqm
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:			

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-023"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5.1"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="43"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Medium to wide cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-023"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="5.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="13.5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="76"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	B-023
Element Name:	Soffit - thick slab	Width:	1.1 m
Element type:		Height:	0.5 m
Sub-element:	Exterior	Length:	13.5 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	43 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:			

General Comments:



Element Inspection

Element Group:	Foundations	Site Number:	B-023
Element Name:	Foundation (below ground)	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	2
Location:	<input type="text"/>	Total Quantity:	2
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-023"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Stone Chip"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="65"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



OSIM Biennial Inspection Report



Site Number:

N-062

Concession 13/14, Lot 30



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 13/14, Lot 30	Site Number:	N-062
District:	Concession 13 & 14, Lot 30	Road Name:	Concession Rd 14
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	200
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	9.7 m
Number of Spans:	1	Roadway Width:	8.5 m
Direction of Structure:	East-West	Total Deck Length:	10.5 m
GPS Coordinates (Degrees)		Span (s):	9.1 m
REVIEWED	Latitude: 44.094666	Total Deck Area:	102 sq.m
	Longitude: -80.86105	Current Load Limit:	0

Inspection Data

Date of Inspection:	31-Jul-24
Name of Inspector:	Andrew Burgess, P.Eng. & Joel Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Sunny
Temperature:	23
Special Notes:	Bridge is in good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: **75**

Next Inspection: 31-Jul-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1980	Contract Number When Built:	
Latest Biennial Inspection:	September 6, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	74.7	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Abutment Walls: Light to medium vertical cracking with leachate staining.



Description: Barrier/Parapet walls (int): Medium to wide vertical cracking.



Description: Deck top: Minor abrasions throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="9.7"/> m
Element type:	<input type="text" value="Leas of a riqid frame"/>	Height:	<input type="text" value="1.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="35"/> sqm
Environment:	<input type="text" value="Benian"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Light to medium vertical cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.4"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3.6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="20"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Drainage system"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text" value="-"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	N-062
Element Name:	Soffit - thick slab	Width:	6.9 m
Element type:		Height:	
Sub-element:	Interior	Length:	9.1 m
Material:	Cast-in-place Concrete	Count:	1
Location:		Total Quantity:	63 sqm
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:			

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	N-062
Element Name:	Soffit - thick slab	Width:	1 m
Element type:		Height:	0.4 m
Sub-element:	Exterior	Length:	9.1 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	25 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:			

General Comments:



Element Inspection

Element Group:	<input type="text" value="Foundations"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Foundation (below ground)"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="2"/>
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="8.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Gravel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="85"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Approach slab"/>	Width:	<input type="text" value="9.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="97"/>
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

No signs of settlement.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="20"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text" value="0.27"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.65"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="18"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.65"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="13"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text" value="0.27"/> m
Element type:	<input type="text" value="Parapet wall w/ a double railing"/>	Height:	<input type="text" value="0.65"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="10.5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="19"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Medium to wide vertical cracking.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text"/> m
Element type:	<input type="text" value="Parapet wall w/ a double railing"/>	Height:	<input type="text" value="0.65"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="10.5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="14"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Hand railings"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10.5"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="21"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="9.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10.5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="102"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Minor abrasions throughout.



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Streams & waterways"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/>
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Steep embankments, recommend approach protection.



Element Inspection

Element Group:	<input type="text" value="Sidewalks/curbs"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10.5"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="21"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="N-062"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



OSIM Biennial Inspection Report



Site Number:

B-119

Concession 14 NDR Lot 3 Culvert



West Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 14 NDR Lot 3 Culvert	Site Number:	B-119
District:		Road Name:	Concession 14 NDR
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Culvert	AADT:	150
Structure Type:	Box Culvert Open Footing - Simple	Overall Struct. Width:	5.5 m
Number of Spans:	1	Roadway Width:	4.5 m
Direction of Structure:	East-West	Total Deck Length:	7.2 m
GPS Coordinates (Degrees)		Span (s):	6 m
General	Latitude: 44.279896	Total Deck Area:	40 sq.m
	Longitude: -81.050835	Current Load Limit:	0

Inspection Data

Date of Inspection:	13-Jun-24
Name of Inspector:	A. Burgess P.Eng. & J. Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	20
Special Notes:	Culvert is in fair to good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 71	Next Inspection: 13-Jun-26
Additional Investigation Required:	Priority:
Additional Investigation Cost:	
Rehabilitation Needs:	
Rehabilitation Timing:	
Total Rehabilitation Budget Costings:	Engineering Fee:

Historical Data

Year Built:	1941	Contract Number When Built:	
Latest Biennial Inspection:	March 22, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	71	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Railing systems: Original rail disintegration with areas of 100% section loss.



Description: Barrel: Minor spall with exposed reinforcing at midspan.



Description: Railing Systems: Moderate impact damage at NE quadrant.



Description: Railing Systems: Severe rotting at SE quadrant.



Description: Wearing Surface: Light to medium map cracking.



Description: Wearing Surface: Minor potholes throughout have been filled with cold patch.



Element Inspection

Element Group:	Barriers	Site Number:	B-119
Element Name:	Railing systems	Width:	0 m
Element type:		Height:	0.7 m
Sub-element:		Length:	7.2 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	14 m
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	Structural
Maint needs:	Barrier/railing system repair	Maint. Time Period:	2 Year

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Flexi beam mounted to original, concrete post and rail, railing system. Original rail disintegration with areas of 100% section loss.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="B-119"/>
Element Name:	<input type="text" value="Barrels"/>	Width:	<input type="text" value="6"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5.5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="55"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Minor spall with exposed reinforcing at midspan.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="B-119"/>
Element Name:	<input type="text" value="Inlet Components"/>	Width:	<input type="text" value="6"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text" value="North Side"/>	Total Quantity:	<input type="text" value="14"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Accessories (Attachments and Signs)"/>	Site Number:	<input type="text" value="B-119"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="B-119"/>
Element Name:	<input type="text" value="Outlet Components"/>	Width:	<input type="text" value="6"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text" value="South Side"/>	Total Quantity:	<input type="text" value="14"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-119"/>
Element Name:	<input type="text" value="Railing Systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="Flexi beam with timber posts"/>	Height:	<input type="text" value="0.7"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="9"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text" value="Approaches"/>	Total Quantity:	<input type="text" value="36"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text" value="Structural"/>
Maint needs:	<input type="text" value="Barrier/railing system repair"/>	Maint. Time Period:	<input type="text" value="1 Year"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Moderate impact damage at NE quadrant. Severe rotting at SE quadrant.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-119"/>
Element Name:	<input type="text" value="Wearing Surface"/>	Width:	<input type="text" value="7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="7.2"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="50"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light to medium map cracking. Minor potholes throughout have been filled with cold patch.



Element Inspection

Element Group:	Embankments & Streams	Site Number:	B-119
Element Name:	Embankments	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:		Count:	4
Location:		Total Quantity:	4 each
Environment:	Benian	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-119"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Foundations"/>	Site Number:	<input type="text" value="B-119"/>
Element Name:	<input type="text" value="Foundation (below ground level)"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

No signs of settlement

OSIM Biennial Inspection Report



Site Number:

B-022

Concession 3, Bailey Bridge



West Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 3, Bailey Bridge	Site Number:	B-022
District:		Road Name:	Allan Park Road
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	200
Structure Type:	Concrete Deck w/ Pre-stressed Beams	Overall Struct. Width:	8.5 m
Number of Spans:	1	Roadway Width:	8 m
Direction of Structure:	North-South	Total Deck Length:	31 m
GPS Coordinates (Degrees)		Span (s):	30 m
General	Latitude: 44.192654	Total Deck Area:	264 sq.m
	Longitude: -80.938300	Current Load Limit:	0

Inspection Data

Date of Inspection:	10-Jun-24
Name of Inspector:	A. Burgess P.Eng. & J. Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	12
Special Notes:	Bridge is in good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 75	Next Inspection:	10-Jun-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1981	Contract Number When Built:	
Latest Biennial Inspection:	March 23, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	75	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Railing Systems: Moderate to severe rotting in timber posts.



Description: Railing Systems: Wrong connection to barrier wall.



Description: Approach Wearing surface: Moderate to severe potholing throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="9.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="3.25"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="62"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="3.25"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.8"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="44"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Ballast walls"/>	Width:	<input type="text" value="9.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="25"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Limited inspection due to height of abutments.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Bearings (elastomeric)"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Elastomeric"/>	Count:	<input type="text" value="8"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="8"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Accessories (Attachments and Signs)	Site Number:	B-022
Element Name:	Signs	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:	Steel	Count:	4
Location:		Total Quantity:	4 each
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Barrier/Parapet Walls"/>	Width:	<input type="text" value="0.2"/> m
Element type:	<input type="text" value="Parapet wall w/ a single railing"/>	Height:	<input type="text" value="1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="44.6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="178"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Barriers	Site Number:	B-022
Element Name:	Railing Systems	Width:	0 m
Element type:	Flexi beam with timber posts	Height:	0.8 m
Sub-element:		Length:	6 m
Material:	Steel	Count:	4
Location:	Approaches	Total Quantity:	24 m
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	Structural
Maint needs:	Barrier/railing system repair	Maint. Time Period:	1 Year

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Moderate to severe rotting in timber posts. Wrong connection to barrier wall.



Element Inspection

Element Group:	Beams/Main Longitudinal Elements	Site Number:	B-022
Element Name:	Girders (concrete)	Width:	0.66 m
Element type:		Height:	1.3 m
Sub-element:		Length:	31 m
Material:	Precast Concrete	Count:	4
Location:		Total Quantity:	568 sqm
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Diaphragms"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Precast Concrete"/>	Count:	<input type="text" value="9"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="9"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Deck top (with thin slab)"/>	Width:	<input type="text" value="9.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="31"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="294"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Drainage System"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="8"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="8"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Soffit - thin slab"/>	Width:	<input type="text" value="1.25"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.3"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="31"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="96"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	B-022
Element Name:	Soffit - thin slab	Width:	7 m
Element type:		Height:	0 m
Sub-element:	Interior	Length:	31 m
Material:	Cast-in-place Concrete	Count:	1
Location:		Total Quantity:	217 sqm
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Embankments & Streams	Site Number:	B-022
Element Name:	Streams and Waterways	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:		Count:	1
Location:		Total Quantity:	1 each
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Foundations"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Foundation (below ground level)"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Armouring/retaining devices"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="8.5"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="34"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Concrete end dams"/>	Width:	<input type="text" value="8.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0.35"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="6"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Seals (strip)"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="8.5"/> m
Material:	<input type="text" value="Rubber"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="2"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text" value="Routine"/>
Maint needs:	<input type="text" value="Bridge cleaning"/>	Maint. Time Period:	<input type="text" value="1 Year"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Seals full of gravel.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-022"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="96"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Approaches	Site Number:	B-022
Element Name:	Wearing surface	Width:	8 m
Element type:		Height:	0 m
Sub-element:		Length:	6 m
Material:	Gravel	Count:	2
Location:		Total Quantity:	96 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Moderate to severe potholing throughout.



OSIM Biennial Inspection Report



Site Number:

N-052

Concession 2/3, Lot 5



East Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 2/3, Lot 5	Site Number:	N-052
District:	Concession 2 & 3, Lot 5	Road Name:	Concession Rd 2 WGR
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	200
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	9.5 m
Number of Spans:	1	Roadway Width:	8.5 m
Direction of Structure:	North-South	Total Deck Length:	11.2 m
GPS Coordinates (Degrees)		Span (s):	9.1 m
REVIEWED	Latitude: 44.133986	Total Deck Area:	106 sq.m
	Longitude: -80.845866	Current Load Limit:	0

Inspection Data

Date of Inspection:	30-Jul-24
Name of Inspector:	Andrew Burgess, P.Eng. & Joel Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Rain
Temperature:	23
Special Notes:	Bridge is in good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: **75**

Next Inspection: 30-Jul-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1980	Contract Number When Built:	
Latest Biennial Inspection:	September 15, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	74.9	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Wingwalls: Light to medium vertical crack with leachate staining.



Description: Barrier/Parapet walls (ext): Light to medium vertical crack with wetness and leachate stainin



Description: Deck top: Shallow popouts throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="9.5"/> m
Element type:	<input type="text" value="Leas of a rigid frame"/>	Height:	<input type="text" value="1.6"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="30"/> sqm
Environment:	<input type="text" value="Benian"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="12.1"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="58"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Light to medium vertical crack with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Drainage system"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="7.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="9.1"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="65"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.3"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="9.1"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="24"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	Foundations	Site Number:	N-052
Element Name:	Foundation (below ground)	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	2
Location:	<input type="text"/>	Total Quantity:	2
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: 0 Fair: 0 Poor: 0

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="8.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Stone Chip"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="85"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Approach slab"/>	Width:	<input type="text" value="9.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="95"/>
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

No signs of settlement.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.8"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="16"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.8"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="16"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Light to medium vertical crack with wetness and leachate staining.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="Safetv shape w/ a single railing"/>	Height:	<input type="text" value="0.8"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="11.2"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="18"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text"/> m
Element type:	<input type="text" value="Safety shape w/ a single railing"/>	Height:	<input type="text" value="0.8"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="11.2"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="18"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Hand railings"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="11.2"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="22"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="9.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="11.2"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="106"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Shallow popouts throughout.



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Streams & waterways"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/>
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="N-052"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text" value="Structural"/>
Maint needs:	<input type="text" value="Sign Repair"/>	Maint. Time Period:	<input type="text" value="1 Year"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Faded signs, recommend replacement.



OSIM Biennial Inspection Report



Site Number:

B-028

Concession 2 & 3W, Lantz Bridge



East Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 2 & 3W. Lantz Bridge	Site Number:	B-028
District:		Road Name:	Concession 2 WGR
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	250
Structure Type:	Timber Deck w/ Timber Beams	Overall Struct. Width:	9.8 m
Number of Spans:	1	Roadway Width:	9 m
Direction of Structure:	North-South	Total Deck Length:	21.2 m
GPS Coordinates (Degrees)		Span (s):	15 m
REVIEWED	Latitude: 44.192446	Total Deck Area:	208 sq.m
	Longitude: -80.856540	Current Load Limit:	0

Inspection Data

Date of Inspection:	12-Jun-24
Name of Inspector:	Andrew Burgess, P.Eng. & Joel Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	15
Special Notes:	Bridge is in excellent condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 100

Next Inspection: 12-Jun-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	2021	Contract Number When Built:	
Latest Biennial Inspection:	September 15, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	100	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Approach Wearing surface: Narrow transverse crack.



Description: Bearings: Possible flattening of elastomeric bearings (minor).



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Drainage system"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.5"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="59"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Narrow transverse crack.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Railing systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.5"/> m
Material:	<input type="text" value="Timber"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="26"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.5"/> m
Material:	<input type="text" value="Timber"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="26"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="59"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="21.2"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="191"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	B-028
Element Name:	Deck top (with thin slab)	Width:	9.8 m
Element type:		Height:	0 m
Sub-element:		Length:	21.2 m
Material:	Timber	Count:	0
Location:		Total Quantity:	208 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="21.2"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="42"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Railing systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.4"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="21.2"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="42"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="28"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>
Quantity:	<input type="text" value="0"/>
Unit Cost:	<input type="text"/>
Estimated Cost:	<input type="text"/>

General Comments:



Element Inspection

Element Group:	<input type="text" value="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Girders (timber)"/>	Width:	<input type="text" value="0.25"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="21.2"/> m
Material:	<input type="text" value="Timber"/>	Count:	<input type="text" value="8"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="449"/> sqm
Environment:	<input type="text" value="Benian"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Bearings (elastomeric)"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Elastomeric"/>	Count:	<input type="text" value="16"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="16"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

On steel plate. Possible flattening of elastomeric bearings (minor).



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Ballast walls"/>	Width:	<input type="text" value="9.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="24"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Diaphragms"/>	Width:	<input type="text" value="0.13"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.9"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Timber"/>	Count:	<input type="text" value="35"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="35"/> each
Environment:	<input type="text" value="Benian"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Foundations"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Foundation (below ground level)"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="2"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Seals (paved over)"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="2"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Streams & waterways"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/>
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="9.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.7"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="33"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="B-028"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="8"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="8"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	B-028
Element Name:	Soffit - thin slab	Width:	9.8 m
Element type:		Height:	0 m
Sub-element:		Length:	21.2 m
Material:	Timber	Count:	0
Location:		Total Quantity:	208 sqm
Environment:	Benian	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:



OSIM Biennial Inspection Report



Site Number:

B-004

Concession 8 & 9, NDR, Lot 18 Bridge



South Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 8 & 9. NDR. Lot 18 Bridge	Site Number:	B-004
District:		Road Name:	Concession 8
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	150
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	6.9 m
Number of Spans:	1	Roadway Width:	6.2 m
Direction of Structure:	East-West	Total Deck Length:	8.7 m
GPS Coordinates (Degrees)		Span (s):	7.6 m
General	Latitude: 44.237777	Total Deck Area:	60 sq.m
	Longitude: -80.963828	Current Load Limit:	0

Inspection Data

Date of Inspection:	13-Jun-24
Name of Inspector:	A. Burgess P.Eng. & J. Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	20
Special Notes:	Bridge is in fair to good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 72

Next Inspection: 13-Jun-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1935	Contract Number When Built:	
Latest Biennial Inspection:	March 23, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	72	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Wingwalls: Light to medium vertical cracking with leachate staining.



Description: Approach Wearing Surface: Moderate to severe potholes throughout.



Description: Deck top: Shallow to moderate pop outs throughout.



Description: Soffit (ext): Moderate to severe delamination throughout.



Description: Soffit (ext): Severe spalling on south.



Description: Soffit (ext): Light to medium horizontal cracking with leachate staining.



Description: Soffit (int): Medium to wide longitudinal cracking with leachate staining and stalactite.



Description: Soffit (int): Severe spalling with exposed reinforcing throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-004"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="6.9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.35"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="19"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Abutments	Site Number:	B-004
Element Name:	Wingwalls	Width:	0 m
Element type:		Height:	1.35 m
Sub-element:		Length:	3 m
Material:	Cast-in-place Concrete	Count:	4
Location:		Total Quantity:	8 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light to medium vertical cracking with leachate staining.



Element Inspection

Element Group:	Accessories (Attachments and Signs)	Site Number:	B-004
Element Name:	Signs	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:	Steel	Count:	8
Location:		Total Quantity:	8 each
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-004"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.35"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.35"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text" value="Approaches"/>	Total Quantity:	<input type="text" value="8"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-004"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3"/> m
Material:	<input type="text" value="Gravel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="37"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Moderate to severe potholes throughout.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-004"/>
Element Name:	<input type="text" value="Railing Systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="Flexi beam with steel posts"/>	Height:	<input type="text" value="0.85"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="44"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="88"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	B-004
Element Name:	Deck top (with thick slab)	Width:	6.9 m
Element type:		Height:	0 m
Sub-element:		Length:	8.7 m
Material:	Cast-in-place Concrete	Count:	1
Location:		Total Quantity:	60 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Shallow to moderate pop outs throughout. Sediment on bridge at time of inspection, limited inspection.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-004"/>
Element Name:	<input type="text" value="Drainage System"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text" value="Structural"/>
Maint needs:	<input type="text" value="Install/extend drain pipes"/>	Maint. Time Period:	<input type="text" value="1 Year"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Recommend to install steel drain pipe.



Element Inspection

Element Group: <input type="text" value="Decks"/> Element Name: <input type="text" value="Soffit - thick slab"/> Element type: <input type="text"/> Sub-element: <input type="text" value="Exterior"/> Material: <input type="text" value="Cast-in-place Concrete"/> Location: <input type="text"/> Environment: <input type="text" value="Moderate"/> Perform. deficiencies: <input type="text"/> Maint needs: <input type="text"/>	Site Number: <input type="text" value="B-004"/> Width: <input type="text" value="1"/> m Height: <input type="text" value="0.3"/> m Length: <input type="text" value="7.6"/> m Count: <input type="text" value="2"/> Total Quantity: <input type="text" value="20"/> sqm Not inspected: <input type="checkbox"/> Maintenance Type: <input type="text"/> Maint. Time Period: <input type="text"/>
---	--

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs: <input type="text"/> Rehab time period: <input type="text"/> Quantity: <input type="text" value="0"/>	Unit Cost: <input type="text"/> Estimated Cost: <input type="text"/>
---	---

General Comments:

Moderate to severe delamination throughout. Severe spalling on south. Light to medium horizontal cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-004"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="4.9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="7.6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="37"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Medium to wide longitudinal cracking with leachate staining and stalactite. Severe spalling with exposed reinforcing throughout.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-004"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-004"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Foundations"/>	Site Number:	<input type="text" value="B-004"/>
Element Name:	<input type="text" value="Foundation (below ground level)"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="B-004"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.35"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.35"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="8.7"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text" value="On deck"/>	Total Quantity:	<input type="text" value="12"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



OSIM Biennial Inspection Report



Site Number:

N-199

Culvert, Concession 12, Lot 26



East Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Culvert, Concession 12, Lot 26	Site Number:	N-199
District:	Conc.12 Lot 26	Road Name:	Concession Rd 12
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Culvert	AADT:	1000
Structure Type:	CSP (arch)	Overall Struct. Width:	17.8 m
Number of Spans:	1	Roadway Width:	7.8 m
Direction of Structure:	North-South	Total Deck Length:	3.2 m
GPS Coordinates (Degrees)		Span (s):	3.2 m
REVIEWED	Latitude: 44.074262	Total Deck Area:	57 sq.m
	Longitude: -80.876015	Current Load Limit:	0

Inspection Data

Date of Inspection:	31-Jul-24
Name of Inspector:	Andrew Burgess, P.Eng. & Joel Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Sunny
Temperature:	23
Special Notes:	Culvert is in good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 75	Next Inspection:	31-Jul-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	0	Contract Number When Built:	
Latest Biennial Inspection:	September 7, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	74.9	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Wearing Surface: Light alligator cracking along road edge.



Description: Barrel: Improper splice bolt pattern, no signs of cracking.



Description: Barrel: View from south.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-199"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="7.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3.2"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="25"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light alligator cracking along road edge.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="N-199"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-199"/>
Element Name:	<input type="text" value="Inlet Components"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text" value="North"/>	Total Quantity:	<input type="text" value="1"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-199"/>
Element Name:	<input type="text" value="Outlet Components"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text" value="South"/>	Total Quantity:	<input type="text" value="1"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="N-199"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-199"/>
Element Name:	<input type="text" value="Barrels"/>	Width:	<input type="text" value="3.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="17.8"/> m
Material:	<input type="text" value="Corrugated Steel"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="195"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Improper splice bolt pattern, no signs of cracking.



OSIM Biennial Inspection Report



Site Number:

EG-001

Stonehill Road Culvert



West Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Stonehill Road Culvert	Site Number:	EG-001
District:		Road Name:	Stonehill Road
County:	West Grey	Owner:	Township
Township:		Skew:	0
Bridge or Culvert:	Culvert	AADT:	0
Structure Type:	CSP (round)	Overall Struct. Width:	6.5 m
Number of Spans:	1	Roadway Width:	5.8 m
Direction of Structure:	North-South	Total Deck Length:	1.3 m
GPS Coordinates (Degrees)		Span (s):	1.3 m
Latitude:	44.165560	Total Deck Area:	8 sq.m
Longitude:	-80.674724	Current Load Limit:	0

Inspection Data

Date of Inspection:	11-Jun-24
Name of Inspector:	A. Burgess P.Eng. & J. Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Sunny
Temperature:	17
Special Notes:	Culvert has failed recommend replacement.

Overall Inspection Summary

BCI: 37

Next Inspection: 11-Jun-25

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:		Contract Number When Built:	
Latest Biennial Inspection:		Latest Specialized Inspection:	
Latest Structure Rating:		Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Barrel: View from North.



Description: Outlet: Minor scouring.



Description: Barrel: Severe sag in south side.



Description: Barrel: Severe corrosion and perforations throughout.



Description: Barrel: Severe sag at mid barrel and north side of barrel.



Description: Inlet: Light corrosion and perforation.



Description: Retaining Walls: General



Description: Embankments: Severe pothole forming above sag location.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="EG-001"/>
Element Name:	<input type="text" value="Outlet Components"/>	Width:	<input type="text" value="1.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.5"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Minor scouring.



Element Inspection

Element Group:	Culverts	Site Number:	EG-001
Element Name:	Barrels	Width:	1.2 m
Element type:		Height:	1.2 m
Sub-element:		Length:	6.5 m
Material:	Steel	Count:	1
Location:		Total Quantity:	25 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Severe sag in south side. Severe corrosion and perforations throughout. Severe sag at mid barrel and north side of barrel.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="EG-001"/>
Element Name:	<input type="text" value="Inlet Components"/>	Width:	<input type="text" value="1.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.5"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> sqm
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Corrosion and perforation.



Element Inspection

Element Group:	Retaining Walls	Site Number:	EG-001
Element Name:	Walls	Width:	0 m
Element type:		Height:	1.2 m
Sub-element:		Length:	2.2 m
Material:	Hybrid	Count:	4
Location:		Total Quantity:	11 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Gabian stone held back by timber. Retaining walls on south side appear stable.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="EG-001"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="EG-001"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Severe pothole forming above sag location.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="EG-001"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="1.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.5"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="8"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



OSIM Biennial Inspection Report



Site Number:

G-044

Concession 2-3N, Lot 32



West Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 2-3N, Lot 32	Site Number:	G-044
District:	Concession 2 & 3N, Lot 32, Northline Road	Road Name:	N Line
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Culvert	AADT:	100
Structure Type:	Concrete Arch	Overall Struct. Width:	6.1 m
Number of Spans:	1	Roadway Width:	5.5 m
Direction of Structure:	North-South	Total Deck Length:	16.7 m
GPS Coordinates (Degrees)		Span (s):	13.7 m
Latitude:	44.215165	Total Deck Area:	102 sq.m
Longitude:	-80.693946	Current Load Limit:	5

Inspection Data

Date of Inspection:	11-Jun-24
Name of Inspector:	Andrew Burgess, P.Eng. & Joel Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Sunny
Temperature:	17
Special Notes:	Culvert is in poor condition, schedule for replacement. Recommend follow up inspection in 1 year.

Overall Inspection Summary

BCI: 51

Next Inspection: 11-Jun-25

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:	Replace		
Rehabilitation Timing:	1 to 5 years		
Total Rehabilitation Budget Costings:	\$888,000.00	Engineering Fee:	\$106,560

Historical Data

Year Built:	1920	Contract Number When Built:	
Latest Biennial Inspection:	March 24, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	51	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Barrier/Parapet walls: Severe spalling and disintegration throughout.



Description: Curbs: Severe spalling throughout.



Description: Signs: Impact damage on south west (minor).



Description: Inlet: Severe spalling and disintegration throughout.



Description: Barrel: Severe spalling with exposed reinforcing throughout.



Description: Barrel: Severe scouring and disintegration at waterline at both ends.



Description: Barrel: View from South.



Description: Outlet: Severe spalling and disintegration throughout.



Description: Outlet: Severe scouring at waterline resulting in undermined structure.



Element Inspection

Element Group:	<input type="text" value="Culvert (overall)"/>	Site Number:	<input type="text" value="G-044"/>
Element Name:	<input type="text" value="All Elements"/>	Width:	<input type="text" value="6.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="16.7"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="102"/> sqm
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="Load carrying capacity"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text" value="Replace with Bridge (small)"/>	Unit Cost:	<input type="text" value="\$8000 / sq.m"/>
Rehab time period:	<input type="text" value="1 - 5 Years"/>	Estimated Cost:	<input type="text" value="\$888,000"/>
Quantity:	<input type="text" value="111"/> sq.m		

General Comments:

Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-044"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="5.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="16.7"/> m
Material:	<input type="text" value="Gravel"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="92"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Barriers	Site Number:	G-044
Element Name:	Barrier/Parapet walls	Width:	0 m
Element type:		Height:	1 m
Sub-element:		Length:	16.7 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	33 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Severe spalling and disintegration throughout.



Element Inspection

Element Group:	Sidewalks/ curbs	Site Number:	G-044
Element Name:	Curbs	Width:	0.2 m
Element type:		Height:	0.25 m
Sub-element:		Length:	16.7 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	33 m
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Severe spalling throughout. Partially covered in sediment.



Element Inspection

Element Group:	Accessories	Site Number:	G-044
Element Name:	Signs	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:		Count:	4
Location:		Total Quantity:	4 each
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	Routine
Maint needs:	Sign Repair	Maint. Time Period:	1 Year

Condition Data (each):

Exec: 0 Good: 3 Fair: 1 Poor: 0

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	0		

General Comments:

Impact damage on south west (minor).



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="G-044"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Very steep embankments, recommend approach protection.



Element Inspection

Element Group:	Culverts	Site Number:	G-044
Element Name:	Inlet Components	Width:	16.7 m
Element type:		Height:	5.5 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	0
Location:	South	Total Quantity:	61 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Severe spalling and disintegration throughout.



Element Inspection

Element Group:	Culverts	Site Number:	G-044
Element Name:	Barrels	Width:	16.7 m
Element type:		Height:	5.5 m
Sub-element:		Length:	6.1 m
Material:	Cast-in-place Concrete	Count:	0
Location:		Total Quantity:	102 sqm
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Severe spalling with exposed reinforcing throughout. Severe scouring and disintegration at waterline at both ends, under water. Scouring around waterline beginning to undermine structure.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="G-044"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Culverts	Site Number:	G-044
Element Name:	Outlet Components	Width:	16.7 m
Element type:		Height:	5.5 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	0
Location:	North	Total Quantity:	61 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Severe spalling and disintegration throughout. Severe scouring at waterline resulting in undermined structure, partially under water.



OSIM Biennial Inspection Report



Site Number:

B-005

Concession 10 & 11, Lot 25 Bridge



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 10 & 11. Lot 25 Bridge	Site Number:	B-005
District:		Road Name:	Concession 10
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	150
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	6.8 m
Number of Spans:	1	Roadway Width:	6 m
Direction of Structure:	East-West	Total Deck Length:	8.9 m
GPS Coordinates (Degrees)		Span (s):	7.6 m
General	Latitude: 44.261428	Total Deck Area:	61 sq.m
	Longitude: -80.933296	Current Load Limit:	0

Inspection Data

Date of Inspection:	13-Jun-24
Name of Inspector:	A. Burgess P.Eng. & J. Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	20
Special Notes:	Bridge is in good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 72	Next Inspection:	13-Jun-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1940	Contract Number When Built:	
Latest Biennial Inspection:	March 23, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	73	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Abutment walls: Light to medium vertical cracking with leachate staining.



Description: Wingwalls: Large localized spall with exposed reinforcing at SE quadrant.



Description: Wearing surface: Moderate potholes throughout.



Description: Deck top: Light to medium spalling throughout.



Description: Soffit (int): Medium longitudinal cracking with leachate staining and stalactite.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-005"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="6.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.6"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="22"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light to medium vertical cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-005"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.6"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3.1"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="10"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Large localized spall with exposed reinforcing at SE quadrant.



Element Inspection

Element Group:	Accessories (Attachments and Signs)	Site Number:	B-005
Element Name:	Signs	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	Steel	Count:	8
Location:	<input type="text"/>	Total Quantity:	8 each
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: 0 Good: 8 Fair: 0 Poor: 0

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/> 0		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-005"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="6"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.1"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="73"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-005"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.25"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.4"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="8"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-005"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.1"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="73"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Moderate potholes throughout.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-005"/>
Element Name:	<input type="text" value="Railing Systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="Flexi beam with steel posts"/>	Height:	<input type="text" value="0.7"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="48"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="96"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-005"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="6.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="8.9"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="61"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light to medium spalling throughout.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-005"/>
Element Name:	<input type="text" value="Drainage System"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text" value="Structural"/>
Maint needs:	<input type="text" value="Install/extend drain pipes"/>	Maint. Time Period:	<input type="text" value="2 Year"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Recommend to extend three drains to below the soffit.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-005"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.25"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="7.62"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="19"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-005"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="4.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="7.62"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="37"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Medium longitudinal cracking with leachate staining and stalactite at construction joint.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-005"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-005"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Foundations"/>	Site Number:	<input type="text" value="B-005"/>
Element Name:	<input type="text" value="Foundation (below ground level)"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="B-005"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.25"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.4"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="8.9"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text" value="On Deck"/>	Total Quantity:	<input type="text" value="12"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



OSIM Biennial Inspection Report



Site Number:

N-060

Concession 11/12, Lot 30



West Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 11/12, Lot 30	Site Number:	N-060
District:	Concession 11 & 12, Lot 31	Road Name:	Concession Rd 12
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Culvert	AADT:	1000
Structure Type:	Box Culvert Open Footing - Simple	Overall Struct. Width:	7 m
Number of Spans:	1	Roadway Width:	6.3 m
Direction of Structure:	East-West	Total Deck Length:	7 m
GPS Coordinates (Degrees)		Span (s):	5.5 m
REVIEWED	Latitude: 44.077038	Total Deck Area:	49 sq.m
	Longitude: -80.852448	Current Load Limit:	0

Inspection Data

Date of Inspection:	31-Jul-24
Name of Inspector:	Andrew Burgess, P.Eng. & Joel Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Sunny
Temperature:	23
Special Notes:	Culvert is in fair poor condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 70

Next Inspection: 31-Jul-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1940	Contract Number When Built:	
Latest Biennial Inspection:	September 15, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	69.7	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Barrel: Moderate delamination.



Description: Barrel: Severe delamination with exposed reinforcing.



Description: Barrel: View from south.



Description: Barrier/Parapet walls: Existing cast in place concrete barrier has failed.



Description: Wearing Surface: Moderate ravelling along curbline.



Description: Wearing Surface: Medium to wide longitudinal cracking.



Description: Outlet: Severe delamination and disintegration.



Description: Outlet: Medium to wide cracking with leachate staining.



Description: Inlet: Severe spalling and disintegration with exposed reinforcing.



Element Inspection

Element Group:	Culverts	Site Number:	N-060
Element Name:	Barrels	Width:	5.5 m
Element type:		Height:	2 m
Sub-element:		Length:	7 m
Material:	Cast-in-place Concrete	Count:	
Location:		Total Quantity:	67 sqm
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:			

General Comments:

Moderate delamination. Severe delamination with exposed reinforcing.



Element Inspection

Element Group:	Barriers	Site Number:	N-060
Element Name:	Barrier/Parapet walls	Width:	0 m
Element type:		Height:	0.96 m
Sub-element:		Length:	7 m
Material:	Pre-cast Concrete	Count:	1
Location:		Total Quantity:	14 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:			

General Comments:

Temporary concrete barrier has replaced existing railing system on both sides. Existing cast in place concrete barrier has failed, temporary concrete barrier in place.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-060"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="7"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="44"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>
Rehab time period:	<input type="text"/>
Quantity:	<input type="text"/>
Unit Cost:	<input type="text"/>
Estimated Cost:	<input type="text"/>

General Comments:

Moderate ravelling along curblines. Medium to wide longitudinal cracking.



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-060"/>
Element Name:	<input type="text" value="Streams & waterways"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/>
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-060"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Recommend approach protection, impact danger.



Element Inspection

Element Group:	Signs	Site Number:	N-060
Element Name:	Signs	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	4
Location:	<input type="text"/>	Total Quantity:	4 each
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-060"/>
Element Name:	<input type="text" value="Outlet Components"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="7"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="10"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>
Quantity:	<input type="text" value="0"/>
Unit Cost:	<input type="text"/>
Estimated Cost:	<input type="text"/>

General Comments:

Severe delamination and disintegration. Medium to wide cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-060"/>
Element Name:	<input type="text" value="Inlet Components"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="7"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="10"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>
Quantity:	<input type="text" value="0"/>
Unit Cost:	<input type="text"/>
Estimated Cost:	<input type="text"/>

General Comments:

Severe spalling and disintegration with exposed reinforcing.



Mulock Road Bridge, Concession 2 SDR, Lot 50/51, Mulock



East Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Mulock Road Bridge, Concession 2 SDR, L	Site Number:	B-026
District:	Concession 2SDR, Lot 50 & 51, Mulock Ro	Road Name:	Mulock Rd
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	200
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	7.2 m
Number of Spans:	1	Roadway Width:	6.2 m
Direction of Structure:	North-South	Total Deck Length:	14.7 m
GPS Coordinates (Degrees)		Span (s):	13.7 m
REVIEWED	Latitude: 44.159199	Total Deck Area:	106 sq.m
	Longitude: -80.902095	Current Load Limit:	0

Inspection Data

Date of Inspection:	11-Jun-24
Name of Inspector:	Andrew Burgess, P.Eng. & Joel Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Sunny
Temperature:	16
Special Notes:	Bridge is in fair to good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 72	Next Inspection:	11-Jun-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1935	Contract Number When Built:	
Latest Biennial Inspection:	September 6, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	72	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Soffit (int): Severe delamination along construction joints (1/2).



Description: Soffit (int): Severe delamination along construction joints (2/2).



Description: Soffit (ext): Light to medium cracking with leachate staining throughout.



Description: Railing system: Narrow to medium cracking throughout.



Description: Deck top: Recommend extending wearing surface to curblin.



Description: Wearing surface: Severe ravelling along centreline.



Description: Curbs: Shallow delamination throughout.



Description: Abutment walls: Medium to wide vertical crack with leachate and wetness staining.



Description: Wingwalls: Medium to wide cracking with leachate staining.



Description: Wingwalls: Minor spalling at construction joint.



Description: Wingwalls: Patchwork noted.



Element Inspection

Element Group:	Decks	Site Number:	B-026
Element Name:	Drainage system	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	Steel	Count:	2
Location:	<input type="text"/>	Total Quantity:	2 each
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-026"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="5.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="13.7"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="71"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Severe delamination along construction joints.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-026"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.4"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="13.7"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="38"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Light to medium cracking with leachate staining throughout.



Element Inspection

Element Group:	Foundations	Site Number:	B-026
Element Name:	Foundation (below ground)	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	2
Location:	<input type="text"/>	Total Quantity:	2
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: 0 Good: 2 Fair: 0 Poor: 0

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-026"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Stone Chip"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="62"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-026"/>
Element Name:	<input type="text" value="Approach slab"/>	Width:	<input type="text" value="7.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="72"/>
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

No signs of settlement.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-026"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.25"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="3"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="15"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-026"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text"/> m
Element type:	<input type="text" value="Flexi beam with steel posts"/>	Height:	<input type="text" value="1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="20"/>
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-026"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="14.7"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="29"/>
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Narrow to medium cracking throughout.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-026"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="7.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="14.7"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="106"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Recommend extending wearing surface to curblines.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-026"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="14.7"/> m
Material:	<input type="text" value="Stone Chip"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="91"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Severe ravelling along centreline.



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="B-026"/>
Element Name:	<input type="text" value="Streams & waterways"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/>
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="B-026"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Sidewalks/curbs"/>	Site Number:	<input type="text" value="B-026"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.25"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="14.7"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="29"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Shallow delamination throughout.



Element Inspection

Element Group:	Signs	Site Number:	B-026
Element Name:	Signs	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	Steel	Count:	6
Location:	<input type="text"/>	Total Quantity:	6 each
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: 0 Good: 6 Fair: 0 Poor: 0

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-026"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="7.2"/> m
Element type:	<input type="text" value="Legs of a rigid frame"/>	Height:	<input type="text" value="1.5"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="22"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Medium to wide vertical crack with leachate and wetness staining.



Element Inspection

Element Group:	Abutments	Site Number:	B-026	
Element Name:	Wingwalls	Width:		m
Element type:		Height:	2.4	m
Sub-element:		Length:	5	m
Material:	Cast-in-place Concrete	Count:	4	
Location:		Total Quantity:	48	sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>	
Perform. deficiencies:	None	Maintenance Type:		
Maint needs:		Maint. Time Period:		

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:			

General Comments:

Medium to wide cracking with leachate staining. Minor spalling at construction joint. Patchwork noted.



Element Inspection

Element Group:	Retaining Walls	Site Number:	B-026
Element Name:	Walls	Width:	0 m
Element type:		Height:	2.4 m
Sub-element:		Length:	5 m
Material:	Pre-cast Concrete	Count:	4
Location:		Total Quantity:	24 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:



OSIM Biennial Inspection Report



Site Number:

N-063

Glasser Bridge, Concession 7/8, Lot 3



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Glasser Bridge, Concession 7/8, Lot 3	Site Number:	N-063
District:	Concession 7 & 8, Lot 3	Road Name:	Concession Rd 8
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	150
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	9.4 m
Number of Spans:	1	Roadway Width:	8.5 m
Direction of Structure:	East-West	Total Deck Length:	17.4 m
GPS Coordinates (Degrees)		Span (s):	16.2 m
REVIEWED	Latitude: 44.024868	Total Deck Area:	164 sq.m
	Longitude: -80.979372	Current Load Limit:	0

Inspection Data

Date of Inspection:	30-Jul-24
Name of Inspector:	Andrew Burgess, P.Eng. & Joel Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	23
Special Notes:	Bridge is in good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 75	Next Inspection:	30-Jul-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1966	Contract Number When Built:	
Latest Biennial Inspection:	September 6, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	74.7	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Wingwalls: Light horizontal cracking.



Description: Soffit (ext): Light to medium cracking with leachate staining at posts locations.



Description: Deck top: Minor abrasains throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="9.4"/> m
Element type:	<input type="text" value="Leas of a rigid frame"/>	Height:	<input type="text" value="2.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="41"/> sqm
Environment:	<input type="text" value="Benian"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="7.2"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="63"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Light horizontal cracking.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Drainage system"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="6"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="6"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="7.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="16.2"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="120"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	N-063
Element Name:	Soffit - thick slab	Width:	1 m
Element type:		Height:	0.5 m
Sub-element:	Exterior	Length:	16.2 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	49 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:			

General Comments:

Light to medium cracking with leachate staining at posts locations.



Element Inspection

Element Group:	<input type="text" value="Foundations"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Foundation (below ground)"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="2"/>
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="8.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Gravel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="85"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Approach slab"/>	Width:	<input type="text" value="9.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="94"/>
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

No signs of settlement.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.35"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="20"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.12"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text" value="End posts"/>	Total Quantity:	<input type="text" value="22"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.12"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text" value="End posts"/>	Total Quantity:	<input type="text" value="22"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text"/> m
Element type:	<input type="text" value="Post and panel"/>	Height:	<input type="text" value="1.12"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="17.4"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="35"/>
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Minor corrosion throughout.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="9.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="17.4"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="164"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Minor abrasains throughout.



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Streams & waterways"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/>
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Steep embankments recommend approach protection.



Element Inspection

Element Group:	<input type="text" value="Sidewalks/curbs"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.35"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="17.4"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="35"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="N-063"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



OSIM Biennial Inspection Report



Site Number:

N-053

Concession 15/16, Lot 1



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 15/16, Lot 1	Site Number:	N-053
District:	Boundary Concession 16	Road Name:	Concession Rd 12 E
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	150
Structure Type:	Concrete Deck w/ Steel Beams	Overall Struct. Width:	11.8 m
Number of Spans:	1	Roadway Width:	10.4 m
Direction of Structure:	East-West	Total Deck Length:	20.75 m
GPS Coordinates (Degrees)		Span (s):	20.45 m
REVIEWED	Latitude: 44.095397	Total Deck Area:	245 sq.m
	Longitude: -81.014154	Current Load Limit:	0

Inspection Data

Date of Inspection:	30-Jul-24
Name of Inspector:	Andrew Burgess, P.Eng. & Joel Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	23
Special Notes:	Bridge is in good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 75	Next Inspection:	30-Jul-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1930	Contract Number When Built:	
Latest Biennial Inspection:	September 6, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	75.0	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: North Elevation



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-053"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="10.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="104"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-053"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text" value="End posts"/>	Total Quantity:	<input type="text" value="32"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-053"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="10.4"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="20.75"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="216"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="N-053"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="20.75"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="42"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Accessories"/>	Site Number:	<input type="text" value="N-053"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="8"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="8"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="N-053"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="N-053"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-053"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.65"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0.45"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="3"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="N-053"/>
Element Name:	<input type="text" value="Girders (steel)"/>	Width:	<input type="text" value="0.25"/> m
Element type:	<input type="text" value="I Type"/>	Height:	<input type="text" value="0.5"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="20.45"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="9"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="322"/> sqm
Environment:	<input type="text" value="Benian"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	N-053
Element Name:	Soffit - thin slab	Width:	0.2 m
Element type:		Height:	0.4 m
Sub-element:	Exterior	Length:	20.75 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	25 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	N-053
Element Name:	Soffit - thick slab	Width:	11.4 m
Element type:		Height:	0 m
Sub-element:	Interior	Length:	20.75 m
Material:	Cast-in-place Concrete	Count:	0
Location:		Total Quantity:	237 sqm
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Approaches	Site Number:	N-053
Element Name:	Approach slabs	Width:	10.4 m
Element type:		Height:	0 m
Sub-element:		Length:	5 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	104 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-053"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="10.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="20.75"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="216"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: **Good:** **Fair:** **Poor:**

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-053"/>
Element Name:	<input type="text" value="Railing systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="Flexi beam with steel posts"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="20.75"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="42"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Joints	Site Number:	N-053
Element Name:	Seals (paved over)	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	10.4 m
Material:		Count:	2
Location:		Total Quantity:	2 each
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Abutments	Site Number:	N-053
Element Name:	Bearings (elastomeric)	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:	Elastomeric	Count:	18
Location:		Total Quantity:	18 each
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="N-053"/>
Element Name:	<input type="text" value="Diaphragms"/>	Width:	<input type="text" value="1.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="24"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="24"/> each
Environment:	<input type="text" value="Benian"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-053"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="10.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="17"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-053"/>
Element Name:	<input type="text" value="Ballast walls"/>	Width:	<input type="text" value="10.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.7"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="15"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Limited inspection due to diaphragms.



OSIM Biennial Inspection Report



Site Number:

B-104

Baseline Rd. at Sideroad 18 Culvert



South Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Baseline Rd. at Sideroad 18 Culvert	Site Number:	B-104
District:		Road Name:	Baseline Rd
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Culvert	AADT:	200
Structure Type:	CSP (arch)	Overall Struct. Width:	13 m
Number of Spans:	2	Roadway Width:	6.6 m
Direction of Structure:	North-South	Total Deck Length:	7.4 m
GPS Coordinates (Degrees)		Span (s):	5.4 m
General	Latitude: 44.209965	Total Deck Area:	96 sq.m
	Longitude: -80.881600	Current Load Limit:	0

Inspection Data

Date of Inspection:	10-Jun-24
Name of Inspector:	A. Burgess P.Eng. & J. Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	15
Special Notes:	Culvert is in fair condition, recommend railing system repair.

Overall Inspection Summary

BCI: **72**

Next Inspection: 10-Jun-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1992	Contract Number When Built:	
Latest Biennial Inspection:	March 23, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	72	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: North barrel: View from east.



Description: North barrel: View from west.



Description: South barrel: View from west.



Description: Inlet: Light to medium honeycombing.



Description: Outlet: Light to medium honeycombing.



Description: Outlet: Light horizontal cracking with leachate staining.



Description: Outlet: Medium to severe disintegration.



Description: Railing systems: Moderate to severe rot with localized 100% section loss.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="B-104"/>
Element Name:	<input type="text" value="Barrels"/>	Width:	<input type="text" value="2.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.7"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="12.5"/> m
Material:	<input type="text" value="Corrugated Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="212"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="B-104"/>
Element Name:	<input type="text" value="Inlet Components"/>	Width:	<input type="text" value="7.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.7"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Corrugated Steel"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text" value="East Side"/>	Total Quantity:	<input type="text" value="16"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light to medium honeycombing.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="B-104"/>
Element Name:	<input type="text" value="Outlet Components"/>	Width:	<input type="text" value="7.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.7"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Corrugated Steel"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text" value="West Side"/>	Total Quantity:	<input type="text" value="12"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light to medium honeycombing. Light horizontal cracking with leachate staining. Medium to severe disintegration.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-104"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.6"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="7.4"/> m
Material:	<input type="text" value="Gravel"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="49"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-104"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-104"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Barriers	Site Number:	B-104
Element Name:	Railing systems	Width:	0 m
Element type:	Flexi beam with timber posts	Height:	0.9 m
Sub-element:		Length:	24 m
Material:	Steel	Count:	2
Location:		Total Quantity:	48 m
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	Structural
Maint needs:	Barrier/railing system repair	Maint. Time Period:	2 Year

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Moderate to severe rot with localized 100% section loss.



OSIM Biennial Inspection Report



Site Number:

N-185

Sideroad 25, Conc. 8, Lot 25/26



South Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Sideroad 25, Conc. 8, Lot 25/26	Site Number:	N-185
District:	Sideroad 25, Conc. 8 North	Road Name:	Side Rd 25
County:	Grey County	Owner:	West Grey
Township:		Skew:	15
Bridge or Culvert:	Culvert	AADT:	150
Structure Type:	Box Culvert Open Footing - Simple	Overall Struct. Width:	9.2 m
Number of Spans:	1	Roadway Width:	6.2 m
Direction of Structure:	East-West	Total Deck Length:	4.6 m
GPS Coordinates (Degrees)		Span (s):	3.7 m
REVIEWED	Latitude: 44.041218	Total Deck Area:	42 sq.m
	Longitude: -80.873226	Current Load Limit:	0

Inspection Data

Date of Inspection:	31-Jul-24
Name of Inspector:	Andrew Burgess, P.Eng. & Joel Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Sunny
Temperature:	23
Special Notes:	Culvert is in fair to poor condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 67	Next Inspection:	31-Jul-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	0	Contract Number When Built:	
Latest Biennial Inspection:	September 7, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	69	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Inlet: Light to medium cracking with leachate staining.



Description: Outlet: Light spalling with exposed reinforcing throughout.



Description: Outlet: Medium to wide cracking.



Description: Barrel: Light spalling and disintegration along waterline.



Description: Barrel: Severe delamination with exposed reinforcing on soffit.



Description: Barrel: Moderate scaling throughout.



Description: Barrel: View from east.



Description: Curbs: Wide cracking and spalling with exposed reinforcing.



Element Inspection

Element Group:	Decks	Site Number:	N-185
Element Name:	Wearing surface	Width:	6.2 m
Element type:		Height:	
Sub-element:		Length:	4.6 m
Material:	Gravel	Count:	
Location:	Over Barrel	Total Quantity:	29 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:			

General Comments:



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-185"/>
Element Name:	<input type="text" value="Inlet Components"/>	Width:	<input type="text" value="3.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.89"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text" value="West"/>	Total Quantity:	<input type="text" value="5"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Light to medium cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-185"/>
Element Name:	<input type="text" value="Outlet Components"/>	Width:	<input type="text" value="3.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.89"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text" value="East"/>	Total Quantity:	<input type="text" value="5"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Light spalling with exposed reinforcing throughout. Medium to wide cracking.



Element Inspection

Element Group:	Culverts	Site Number:	N-185
Element Name:	Barrels	Width:	3.7 m
Element type:		Height:	0.89 m
Sub-element:		Length:	9.2 m
Material:	Cast-in-place Concrete	Count:	1
Location:		Total Quantity:	50 sqm
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:			

General Comments:

Light spalling and disintegration along waterline. Severe delamination with exposed reinforcing on soffit. Moderate scaling throughout.



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-185"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-185"/>
Element Name:	<input type="text" value="Streams & waterways"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/>
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Foundations"/>	Site Number:	<input type="text" value="N-185"/>
Element Name:	<input type="text" value="Foundation (below ground)"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="2"/>
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="N-185"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	Sidewalks/ curbs	Site Number:	N-185
Element Name:	Curbs	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	4.6 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	9 m
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Wide cracking and spalling with exposed reinforcing.



Concession 2 & 3, Overflow Structure to Kennedy



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 2 & 3. Overflow Structure to K	Site Number:	B-021
District:		Road Name:	Concession 2 NDR
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	200
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	8.39 m
Number of Spans:	1	Roadway Width:	7.45 m
Direction of Structure:	East-West	Total Deck Length:	10.9 m
GPS Coordinates (Degrees)		Span (s):	9.14 m
General	Latitude: 44.184339	Total Deck Area:	91 sq.m
	Longitude: -80.942139	Current Load Limit:	0

Inspection Data

Date of Inspection:	10-Jun-24
Name of Inspector:	A. Burgess P.Eng. & J. Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	5
Special Notes:	Bridge is in fair to good condition, recommend railing repair. Excess material on bridge causing curb to be insufficient height.

Overall Inspection Summary

BCI: 71	Next Inspection:	10-Jun-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1970	Contract Number When Built:	
Latest Biennial Inspection:	March 23, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	71	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Abutment walls: Medium to wide vertical cracking with wetness and rust staining.



Description: Wingwalls: Light to medium horizontal cracking with leachate staining.



Description: Railing Systems: Medium to severe spalling and disintegration throughout.



Description: Railing Systems: Light to medium map cracking with leachate staining.



Element Inspection

Element Group:	Abutments	Site Number:	B-021
Element Name:	Abutment walls	Width:	8.39 m
Element type:		Height:	2.2 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	37 sqm
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Medium to wide vertical cracking with wetness and rust staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-021"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.15"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3.6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="15"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light to medium horizontal cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Accessories (Attachments and Signs)"/>	Site Number:	<input type="text" value="B-021"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-021"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="7.45"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3.6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="54"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-021"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.47"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.14"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3.6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="9"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Recommend reducing grade.



Element Inspection

Element Group:	Barriers	Site Number:	B-021
Element Name:	Railing Systems	Width:	0 m
Element type:	Post and rail	Height:	0 m
Sub-element:		Length:	18.2 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	36 m
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	Structural
Maint needs:	Barrier/railing system repair	Maint. Time Period:	1 Year

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Medium to severe spalling and disintegration throughout with exposed reinforcing. Light to medium map cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-021"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="8.39"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10.9"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="91"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-021"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.25"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="9.14"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="23"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-021"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="6.39"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="9.14"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="58"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-021"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-021"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Stream dry at time of inspection.



Element Inspection

Element Group:	Foundations	Site Number:	B-021
Element Name:	Foundation (below ground level)	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text"/> each
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: 0 Good: 0 Fair: 0 Poor: 0

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/> 0		

General Comments:

No signs of settlement

Element Inspection

Element Group:	<input type="text" value="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="B-021"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.47"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.14"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10.9"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text" value="On deck"/>	Total Quantity:	<input type="text" value="13"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Recommend reducing grade.



OSIM Biennial Inspection Report



Site Number:

G-133

Southline Road, Concession 2 EGR, Lot 63-64



West Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Southline Road, Concession 2 EGR, Lot 6	Site Number:	G-133
District:	South Line, 0.75 km West of Conc. 2	Road Name:	Southline
County:	Grey County	Owner:	West Grey
Township:		Skew:	45
Bridge or Culvert:	Culvert	AADT:	100
Structure Type:	Box Culvert Open Footing - Simple	Overall Struct. Width:	6.5 m
Number of Spans:	1	Roadway Width:	5.5 m
Direction of Structure:	East-West	Total Deck Length:	4.2 m
GPS Coordinates (Degrees)		Span (s):	3 m
REVIEWED	Latitude: 44.168456	Total Deck Area:	27 sq.m
	Longitude: -80.792064	Current Load Limit:	0

Inspection Data

Date of Inspection:	11-Jun-24
Name of Inspector:	Andrew Burgess, P.Eng. & Joel Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	18
Special Notes:	Culvert is in fair to poor condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 66	Next Inspection:	11-Jun-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1965	Contract Number When Built:	
Latest Biennial Inspection:	March 22, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	66	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Inlet: Severe spalling and disintegration throughout.



Description: Inlet: Very wide crack.



Description: Outlet: Severe spalling and disintegration throughout.



Description: Barrel: Moderate spall with exposed reinforcing (1/2).



Description: Moderate spall wwith exposed reinforcing (2/2).



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-133"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="5.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="4.2"/> m
Material:	<input type="text" value="Gravel"/>	Count:	<input type="text"/>
Location:	<input type="text" value="Over Barrel"/>	Total Quantity:	<input type="text" value="23"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="G-133"/>
Element Name:	<input type="text" value="Inlet Components"/>	Width:	<input type="text" value="3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.75"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text" value="North"/>	Total Quantity:	<input type="text" value="7"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Severe spalling and disintegration throughout. Very wide crack.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="G-133"/>
Element Name:	<input type="text" value="Outlet Components"/>	Width:	<input type="text" value="3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.75"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text" value="South"/>	Total Quantity:	<input type="text" value="5"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Severe spalling and disintegration throughout.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="G-133"/>
Element Name:	<input type="text" value="Barrels"/>	Width:	<input type="text" value="3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.75"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="29"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Moderate spall with exposed reinforcing.



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="G-133"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="G-133"/>
Element Name:	<input type="text" value="Streams & waterways"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/>
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Foundations"/>	Site Number:	<input type="text" value="G-133"/>
Element Name:	<input type="text" value="Foundation (below ground)"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="2"/>
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="G-133"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



OSIM Biennial Inspection Report



Site Number:

B-107

Concession 4 NDR Lot 3 Culvert



West Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 4 NDR Lot 3 Culvert	Site Number:	B-107
District:		Road Name:	Concession 4
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Culvert	AADT:	200
Structure Type:	Box Culvert Open Footing - Rigid	Overall Struct. Width:	9.85 m
Number of Spans:	1	Roadway Width:	6 m
Direction of Structure:	East-West	Total Deck Length:	5.5 m
GPS Coordinates (Degrees)		Span (s):	4.9 m
General	Latitude: 44.189606	Total Deck Area:	54 sq.m
	Longitude: -81.029531	Current Load Limit:	0

Inspection Data

Date of Inspection:	10-Jun-24
Name of Inspector:	A. Burgess P.Eng. & J. Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	10
Special Notes:	Culvert is in good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 72

Next Inspection: 10-Jun-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1955	Contract Number When Built:	
Latest Biennial Inspection:	March 22, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	75	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Barrel: View from north.



Description: Barrel: Light cracking and wetness staining.



Description: Inlet: Light cracking with leachate staining.



Description: Outlet: Light cracking with wetness staining.



Description: Wearing surface: Light transverse cracking.



Description: Embankments: Moderate erosion at NW and NE corner.



Element Inspection

Element Group:	Accessories (Attachments and Signs)	Site Number:	B-107
Element Name:	Signs	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	Steel	Count:	4
Location:	<input type="text"/>	Total Quantity:	4 each
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-107"/>
Element Name:	<input type="text" value="Railing Systems"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.9"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5.5"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="11"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="Load carrying capacity"/>	Maintenance Type:	<input type="text" value="Structural"/>
Maint needs:	<input type="text" value="Barrier/railing system repair"/>	Maint. Time Period:	<input type="text" value="1 Year"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light design, recommend upgrade.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="B-107"/>
Element Name:	<input type="text" value="Barrels"/>	Width:	<input type="text" value="4.9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="9.85"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="103"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light cracking and wetness staining.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="B-107"/>
Element Name:	<input type="text" value="Inlet Components"/>	Width:	<input type="text" value="5.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="29"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="B-107"/>
Element Name:	<input type="text" value="Outlet Components"/>	Width:	<input type="text" value="5.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text" value="South Side"/>	Total Quantity:	<input type="text" value="29"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light cracking with wetness staining.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-107"/>
Element Name:	<input type="text" value="Wearing Surface"/>	Width:	<input type="text" value="6"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5.5"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="33"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light transverse cracking.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-107"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text" value="Routine"/>
Maint needs:	<input type="text" value="Erosion control"/>	Maint. Time Period:	<input type="text" value="2 Year"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Moderate erosion at NW and NE corner.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-107"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Foundations"/>	Site Number:	<input type="text" value="B-107"/>
Element Name:	<input type="text" value="Foundation (below ground level)"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="2"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="B-107"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.6"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.27"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5.5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="10"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Saugeen River Bridge, Concession 2-3N, Lot 47



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Sauqeen River Bridge, Concession 2-3N, L	Site Number:	G-047
District:	Concession 2 & 3N, Lot 47, Northline Rd	Road Name:	N Line
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	150
Structure Type:	Concrete Deck w/ Steel Beams	Overall Struct. Width:	6.3 m
Number of Spans:	1	Roadway Width:	5.6 m
Direction of Structure:	North-South	Total Deck Length:	18.4 m
GPS Coordinates (Degrees)		Span (s):	15.8 m
REVIEWED	Latitude: 44.219467	Total Deck Area:	116 sq.m
	Longitude: -80.656849	Current Load Limit:	5

Inspection Data

Date of Inspection:	11-Jun-24
Name of Inspector:	Andrew Burgess, P.Eng. & Joel Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Sunny
Temperature:	17
Special Notes:	Bridge is in good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: **74**

Next Inspection: 11-Jun-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1930	Contract Number When Built:	
Latest Biennial Inspection:	March 24, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	74	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Wingwalls: Medium to wide vertical cracking with wetness and leachate staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="6.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.77"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="35"/> sqm
Environment:	<input type="text" value="Benian"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="3.1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.65"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="33"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Medium to wide vertical cracking with wetness and leachate staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Ballast walls"/>	Width:	<input type="text" value="6.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.5"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="19"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Limited inspection due to height of abutment.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Bearings (elastomeric)"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Elastomeric"/>	Count:	<input type="text" value="8"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="8"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Soffit - thin slab"/>	Width:	<input type="text" value="6.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="18.4"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="116"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	Foundations	Site Number:	G-047
Element Name:	Foundation (below ground)	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	2
Location:	<input type="text"/>	Total Quantity:	2
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: 0 Good: 2 Fair: 0 Poor: 0

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Beams/MLE's"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Girders (steel)"/>	Width:	<input type="text" value="0.3"/> m
Element type:	<input type="text" value="I Type"/>	Height:	<input type="text" value="0.7"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="18.4"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="125"/> sqm
Environment:	<input type="text" value="Benian"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	Beams/MLE's	Site Number:	G-047
Element Name:	Diaphragms	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	Steel	Count:	15
Location:	<input type="text"/>	Total Quantity:	15 each
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: 0 Good: 15 Fair: 0 Poor: 0

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="5.6"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="56"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Approach slab"/>	Width:	<input type="text" value="6.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="63"/>
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

No signs of settlement.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text" value="0.3"/> m
Element type:	<input type="text" value="Flexi beam with steel posts"/>	Height:	<input type="text" value="0.72"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="20"/>
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text" value="0.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.72"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="18.4"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="37"/>
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Deck top (with thin slab)"/>	Width:	<input type="text" value="6.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="18.4"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="116"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Seals (paved over)"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.3"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="2"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	G-047
Element Name:	Wearing surface	Width:	5.6 m
Element type:		Height:	
Sub-element:		Length:	18.4 m
Material:	Asphalt	Count:	
Location:		Total Quantity:	103 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:			

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Streams & waterways"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/>
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="G-047"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="8"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="8"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



2024 Jun 11 02:16 PM

OSIM Biennial Inspection Report



Site Number:

G-154

Traverston Road, 1.4 km S of Concession 12 Culvert



North Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Traverston Road, 1.4 km S of Concession	Site Number:	G-154
District:		Road Name:	Traverston Road
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Culvert	AADT:	100
Structure Type:	CSP (arch)	Overall Struct. Width:	13 m
Number of Spans:	2	Roadway Width:	6.6 m
Direction of Structure:	North-South	Total Deck Length:	4.8 m
GPS Coordinates (Degrees)		Span (s):	4.2 m
General	Latitude: 44.289470	Total Deck Area:	62 sq.m
	Longitude: -80.743474	Current Load Limit:	0

Inspection Data

Date of Inspection:	12-Jun-24
Name of Inspector:	A. Burgess P.Eng. & J. Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Sunny
Temperature:	22
Special Notes:	Culvert is in good condition, showing no signs of structural distress. Monitor gabion wall movement.

Overall Inspection Summary

BCI: 74

Next Inspection: 12-Jun-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:		Contract Number When Built:	
Latest Biennial Inspection:	March 24, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	75	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Outlet: Minor impact damage.



Description: Barrel: Light corrosion at water line.



Description: North barrel: View from east.



Description: Barrel: Separation of sections at mid point of south barrel.



Description: Inlet: South gabion basket is leaning into river, monitor.



Description: Inlet: Minor impact damage.



Description: South barrel: View from west.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="G-154"/>
Element Name:	<input type="text" value="Outlet Components"/>	Width:	<input type="text" value="4.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.6"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Corrugated Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text" value="West Side"/>	Total Quantity:	<input type="text" value="5"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Minor impact damage.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-154"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="4.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="9"/> m
Material:	<input type="text" value="Gravel"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="45"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="G-154"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="G-154"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Culverts	Site Number:	G-154
Element Name:	Barrels	Width:	1.6 m
Element type:		Height:	1.6 m
Sub-element:		Length:	13 m
Material:	Corrugated Steel	Count:	1
Location:	North Side	Total Quantity:	65 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Light corrosion at water line. Separation of sections at mid point of south barrel.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="G-154"/>
Element Name:	<input type="text" value="Inlet Components"/>	Width:	<input type="text" value="4.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.6"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Corrugated Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text" value="East Side"/>	Total Quantity:	<input type="text" value="5"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

South gabion basket is leaning into river, monitor. Minor impact damage.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="G-154"/>
Element Name:	<input type="text" value="Barrels"/>	Width:	<input type="text" value="2.6"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.6"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="13"/> m
Material:	<input type="text" value="Corrugated Steel"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text" value="South Side"/>	Total Quantity:	<input type="text" value="86"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



OSIM Biennial Inspection Report



Site Number:

B-013

Concession 3W, Jelinski Bridge



East Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 3W, Jelinski Bridge	Site Number:	B-013
District:		Road Name:	Baseline
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Culvert	AADT:	450
Structure Type:	Box Culvert Open Footing - Simple	Overall Struct. Width:	8.7 m
Number of Spans:	1	Roadway Width:	8.1 m
Direction of Structure:	East-West	Total Deck Length:	6.7 m
GPS Coordinates (Degrees)		Span (s):	6.1 m
General	Latitude: 44.226074	Total Deck Area:	58 sq.m
	Longitude: -80.881834	Current Load Limit:	0

Inspection Data

Date of Inspection:	12-Jun-24
Name of Inspector:	A. Burgess P.Eng. & J. Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	15
Special Notes:	Culvert is in good to fair condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 73

Next Inspection: 12-Jun-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1940	Contract Number When Built:	
Latest Biennial Inspection:	March 23, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	73	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Barrel: View from north.



Description: Barrel: Severe localized spall with exposed reinforcing.



Description: Outlet: Light to medium horizontal cracking with leachate staining at corners.



Description: Outlet: Light vertical cracking throughout, typical at post locations.



Description: Inlet: Light to medium vertical cracking with wetness staining.



Element Inspection

Element Group:	Culverts	Site Number:	B-013
Element Name:	Barrels	Width:	6.1 m
Element type:		Height:	1.4 m
Sub-element:		Length:	8.7 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	77 sqm
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Severe localized spall with exposed reinforcing.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="B-013"/>
Element Name:	<input type="text" value="Outlet Components"/>	Width:	<input type="text" value="6.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.4"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text" value="South Side"/>	Total Quantity:	<input type="text" value="14"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light to medium horizontal cracking with leachate staining at corners. Light vertical cracking throughout, typical at post locations.



Element Inspection

Element Group:	Accessories (Attachments and Signs)	Site Number:	B-013
Element Name:	Signs	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:	Steel	Count:	4
Location:		Total Quantity:	4 each
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="B-013"/>
Element Name:	<input type="text" value="Inlet Components"/>	Width:	<input type="text" value="6.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.4"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text" value="North Side"/>	Total Quantity:	<input type="text" value="14"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light to medium vertical cracking with wetness staining, typical by post locations.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-013"/>
Element Name:	<input type="text" value="Hand Railings"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.7"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text" value="On deck"/>	Total Quantity:	<input type="text" value="13"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-013"/>
Element Name:	<input type="text" value="Railing Systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="Flexi beam with timber posts"/>	Height:	<input type="text" value="0.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="30"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="60"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-013"/>
Element Name:	<input type="text" value="Wearing Surface"/>	Width:	<input type="text" value="8.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.7"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="54"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-013"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-013"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Foundations	Site Number:	B-013
Element Name:	Foundation (below ground level)	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	Cast-in-place Concrete	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text"/> each
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: 0 Good: 0 Fair: 0 Poor: 0

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/> 0		

General Comments:

No signs of settlement.

OSIM Biennial Inspection Report



Site Number:

N-178

Sideroad 20, Conc. 13, Lot 20/21



North Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Sideroad 20. Conc. 13. Lot 20/21	Site Number:	N-178
District:	Sideroad 20	Road Name:	Side Rd 20
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Culvert	AADT:	100
Structure Type:	CSP (arch)	Overall Struct. Width:	12.5 m
Number of Spans:	1	Roadway Width:	6.2 m
Direction of Structure:	North-South	Total Deck Length:	3.3 m
GPS Coordinates (Degrees)		Span (s):	3.3 m
REVIEWED	Latitude: 44.085282	Total Deck Area:	41 sq.m
	Longitude: -80.910104	Current Load Limit:	0

Inspection Data

Date of Inspection:	30-Jul-24
Name of Inspector:	Andrew Burgess, P.Eng. & Joel Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	24
Special Notes:	Culvert is in good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: **75**

Next Inspection: 30-Jul-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	2012	Contract Number When Built:	
Latest Biennial Inspection:	September 6, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	75	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Barrel: Minor deformations.



Description: Barrel: View from west.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-178"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3.3"/> m
Material:	<input type="text" value="Gravel"/>	Count:	<input type="text"/>
Location:	<input type="text" value="Over Barrel"/>	Total Quantity:	<input type="text" value="20"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-178"/>
Element Name:	<input type="text" value="Inlet Components"/>	Width:	<input type="text" value="3.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Corrugated Steel"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-178"/>
Element Name:	<input type="text" value="Outlet Components"/>	Width:	<input type="text" value="3.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Corrugated Steel"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-178"/>
Element Name:	<input type="text" value="Barrels"/>	Width:	<input type="text" value="3.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="12.5"/> m
Material:	<input type="text" value="Corrugated Steel"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="130"/> sqm
Environment:	<input type="text" value="Benian"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Minor deformations.



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-178"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-178"/>
Element Name:	<input type="text" value="Streams & waterways"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/>
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	Foundations	Site Number:	N-178
Element Name:	Foundation (below ground)	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	1
Location:	<input type="text"/>	Total Quantity:	1
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

No signs of settlement. Half of foundation below grade. Under water at time of inspection.

Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="N-178"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-178"/>
Element Name:	<input type="text" value="Railing systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="Flexi beam with steel posts"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3.3"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="7"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



OSIM Biennial Inspection Report



Site Number:

B-010

Concession 2 & 3W, Long Swamp Bridge



West Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 2 & 3W. Long Swamp Bridge	Site Number:	B-010
District:		Road Name:	Concession 2
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	150
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	7.9 m
Number of Spans:	1	Roadway Width:	7.3 m
Direction of Structure:	North-South	Total Deck Length:	10.4 m
GPS Coordinates (Degrees)		Span (s):	8.84 m
General	Latitude: 44.271549	Total Deck Area:	82 sq.m
	Longitude: -80.877910	Current Load Limit:	0

Inspection Data

Date of Inspection:	13-Jun-24
Name of Inspector:	A. Burgess P.Eng. & J. Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	20
Special Notes:	Bridge is in good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: **75**

Next Inspection: 13-Jun-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1979	Contract Number When Built:	
Latest Biennial Inspection:	March 27, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	75	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Barrier/Parapet Walls: Severe impact damage throughout.



Description: Barrier/Parapet Walls: Shallow spall on NE corner.



Description: Deck top: Light scaling throughout.



Description: Soffit (ext): Light vertical cracking with leachate staining throughout.



Element Inspection

Element Group:	Abutments	Site Number:	B-010
Element Name:	Abutment walls	Width:	7.9 m
Element type:		Height:	1.7 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	27 sqm
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-010"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="4.3"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="9"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Accessories (Attachments and Signs)"/>	Site Number:	<input type="text" value="B-010"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-010"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="7.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.1"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="89"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-010"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="7.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.1"/> m
Material:	<input type="text" value="Gravel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="89"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Barriers	Site Number:	B-010
Element Name:	Barrier/Parapet Walls	Width:	0.1 m
Element type:	Safetv shape w/ a single railing	Height:	0.9 m
Sub-element:		Length:	14 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	53 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	Structural
Maint needs:	Barrier/railing system repair	Maint. Time Period:	2 Year

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Severe impact damage throughout. Shallow spall on NE corner.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-010"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="7.9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10.4"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="82"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light scaling throughout.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-010"/>
Element Name:	<input type="text" value="Drainage System"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="2"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-010"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="8.84"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="35"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light vertical cracking with leachate staining throughout.



Element Inspection

Element Group:	Decks	Site Number:	B-010
Element Name:	Soffit - thick slab	Width:	5.9 m
Element type:		Height:	0 m
Sub-element:	Interior	Length:	8.84 m
Material:	Cast-in-place Concrete	Count:	1
Location:		Total Quantity:	52 sqm
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Embankments & Streams	Site Number:	B-010
Element Name:	Embankments	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:		Count:	4
Location:		Total Quantity:	4 each
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Steep embankments recommend approach protection.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-010"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Foundations	Site Number:	B-010
Element Name:	Foundation (below ground level)	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	Cast-in-place Concrete	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text"/> each
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: 0 Good: 0 Fair: 0 Poor: 0

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/> 0		

General Comments:

No signs of settlement.

OSIM Biennial Inspection Report



Site Number:

B-112

Concession 2 WGR Lot 3 Culvert



North Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 2 WGR Lot 3 Culvert	Site Number:	B-112
District:		Road Name:	Concession 2
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Culvert	AADT:	100
Structure Type:	CSP (arch)	Overall Struct. Width:	12 m
Number of Spans:	2	Roadway Width:	9 m
Direction of Structure:	North-South	Total Deck Length:	3.6 m
GPS Coordinates (Degrees)		Span (s):	3.6 m
General	Latitude: 44.302157	Total Deck Area:	43 sq.m
	Longitude: -80.886115	Current Load Limit:	0

Inspection Data

Date of Inspection:	13-Jun-24
Name of Inspector:	A. Burgess P.Eng. & J. Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	20
Special Notes:	Culvert is in excellent condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 100

Next Inspection: 13-Jun-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1994	Contract Number When Built:	
Latest Biennial Inspection:	March 27, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	100	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Middle barrel: View from east.



Description: North barrel: View from east.



Description: South barrel: View from west.



Description: Middle barrel: View from west.



Description: North barrel: View from west.



Description: Barrel: Minor deformations throughout.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="B-112"/>
Element Name:	<input type="text" value="Barrels"/>	Width:	<input type="text" value="1.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="12"/> m
Material:	<input type="text" value="Corrugated Steel"/>	Count:	<input type="text" value="3"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="136"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Minor deformations throughout.



Element Inspection

Element Group:	Culverts	Site Number:	B-112
Element Name:	Inlet Components	Width:	3.6 m
Element type:		Height:	1.2 m
Sub-element:		Length:	0 m
Material:	Corrugated Steel	Count:	3
Location:	East Side	Total Quantity:	3 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-112"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-112"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="B-112"/>
Element Name:	<input type="text" value="Outlet Components"/>	Width:	<input type="text" value="3.6"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Corrugated Steel"/>	Count:	<input type="text" value="3"/>
Location:	<input type="text" value="West Side"/>	Total Quantity:	<input type="text" value="3"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	B-112
Element Name:	Wearing surface	Width:	9 m
Element type:		Height:	0 m
Sub-element:		Length:	3.6 m
Material:	Gravel	Count:	1
Location:		Total Quantity:	32 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:



OSIM Biennial Inspection Report



Site Number:

B-105

Concession 4 NDR Lot 30 Culvert



West Approach



Burgess Engineering Inc

27-Aug-24