

Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-018"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="7.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.93"/> 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="28"/> 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-018"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.93"/> 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="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="Accessories (Attachments and Signs)"/>	Site Number:	<input type="text" value="B-018"/>
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:	Approaches	Site Number:	B-018
Element Name:	Approach slabs	Width:	6.71 m
Element type:		Height:	0 m
Sub-element:		Length:	6.1 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	81 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:		Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-018"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.54"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.31"/> 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="20"/> 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:

Light to medium vertical cracking throughout.



Element Inspection

Element Group:	Approaches	Site Number:	B-018
Element Name:	Wearing surface	Width:	6.71 m
Element type:		Height:	0 m
Sub-element:		Length:	6.1 m
Material:	Asphalt	Count:	2
Location:		Total Quantity:	81 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:



Element Inspection

Element Group:	Barriers	Site Number:	B-018
Element Name:	Railing systems	Width:	0 m
Element type:	Post and rail	Height:	0.5 m
Sub-element:		Length:	38.5 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	77 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:		Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Moderate spalls with exposed reinforcing throughout.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-018"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	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="26.5"/> 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="193"/> 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-018"/>
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"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Medium corrosion throughout.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-018"/>
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="24.38"/> 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="98"/> 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:

Minor popout with exposed reinforcing.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-018"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="5.3"/> 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="24.38"/> 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="129"/> 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 spalling with exposed reinforcing.



Element Inspection

Element Group:	Decks	Site Number:	B-018
Element Name:	Wearing Surface	Width:	6.71 m
Element type:		Height:	0 m
Sub-element:		Length:	26.5 m
Material:	Asphalt	Count:	1
Location:		Total Quantity:	178 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:

Moderate ravelling along edges.



Element Inspection

Element Group:	Embankments & Streams	Site Number:	B-018
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:	Routine
Maint needs:	Erosion control	Maint. Time Period:	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 on E quadrants.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-018"/>
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:

Heavy flow at time of inspection.



Element Inspection

Element Group:	<input type="text" value="Foundations"/>	Site Number:	<input type="text" value="B-018"/>
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-018"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.54"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.31"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="26.5"/> 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="45"/> 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:

Light to medium vertical cracks throughout.



OSIM Biennial Inspection Report



Site Number:

N-057

Kreller Bridge, Concession 11/12, Lot 9



South Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Kreller Bridge, Concession 11/12, Lot 9	Site Number:	N-057
District:	Concession 11 & 12, Lot 9	Road Name:	Concession Rd 12
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	200
Structure Type:	Concrete Deck w/ Pre-stressed Beams	Overall Struct. Width:	10.3 m
Number of Spans:	2	Roadway Width:	7.9 m
Direction of Structure:	East-West	Total Deck Length:	47.1 m
GPS Coordinates (Degrees)		Span (s):	45.7 m
REVIEWED	Latitude: 44.064106	Total Deck Area:	485 sq.m
	Longitude: -80.964048	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:	1979	Contract Number When Built:	
Latest Biennial Inspection:	September 14, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	75.0	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Approach Wearing Surface: Wide transverse crack.



Description: Wearing Surface: Light to medium map cracking.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-057"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="10.3"/> m
Element type:	<input type="text"/>	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="45"/> 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-057"/>
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="4.2"/> 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="37"/> 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="Abutments"/>	Site Number:	<input type="text" value="N-057"/>
Element Name:	<input type="text" value="Ballast walls"/>	Width:	<input type="text" value="10.3"/> m
Element type:	<input type="text"/>	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="33"/> 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 diaphragms.

Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-057"/>
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="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 (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-057"/>
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-057"/>
Element Name:	<input type="text" value="Soffit - thin slab"/>	Width:	<input type="text" value="10.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="47.1"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="485"/> 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="Foundations"/>	Site Number:	<input type="text" value="N-057"/>
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="3"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="3"/>
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:

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:	Beams/MLE's	Site Number:	N-057
Element Name:	Girders (concrete)	Width:	0.55 m
Element type:	I Type	Height:	1.15 m
Sub-element:		Length:	47.1 m
Material:	Pre-cast Concrete	Count:	8
Location:		Total Quantity:	1488 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="Beams/MLE's"/>	Site Number:	<input type="text" value="N-057"/>
Element Name:	<input type="text" value="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:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="9"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="9"/> each
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 (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="Piers"/>	Site Number:	<input type="text" value="N-057"/>
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="Piers"/>	Site Number:	<input type="text" value="N-057"/>
Element Name:	<input type="text" value="Shafts/Columns/Pile Bents"/>	Width:	<input type="text" value="9.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="4.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="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="88"/> 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="Approaches"/>	Site Number:	<input type="text" value="N-057"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="7.9"/> 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="79"/> 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:

Wide transverse crack.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-057"/>
Element Name:	<input type="text" value="Approach slab"/>	Width:	<input type="text" value="10.3"/> 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="103"/>
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-057"/>
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="0.15"/> 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-057"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text" value="0.26"/> m
Element type:	<input type="text" value="Parapet wall w/ a double railing"/>	Height:	<input type="text" value="1.1"/> 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="49"/> 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-057"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text" value="0.26"/> m
Element type:	<input type="text" value="Parapet wall w/ a double railing"/>	Height:	<input type="text" value="1.1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="47.1"/> 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="232"/> 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:	N-057	
Element Name:	Hand railings	Width:		m
Element type:	Double railing	Height:		m
Sub-element:		Length:	47.1	m
Material:	Steel	Count:	2	
Location:		Total Quantity:	94	m
Environment:	Severe	Not inspected:	<input type="checkbox"/>	
Perform. deficiencies:	None	Maintenance Type:		
Maint needs:		Maint. Time Period:		

Condition Data (m):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-057"/>
Element Name:	<input type="text" value="Deck top (with thin slab)"/>	Width:	<input type="text" value="10.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="47.1"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="485"/> 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="N-057"/>
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="10.3"/> 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:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-057"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="7.9"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="47.1"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="372"/> 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 map cracking.



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-057"/>
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-057"/>
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="N-057"/>
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="0.15"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="47.1"/> 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="94"/> 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-057"/>
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-002

Concession 4 & 5, Styx View Bridge



South Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 4 & 5. Styx View Bridge	Site Number:	B-002
District:		Road Name:	Concession 4
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	150
Structure Type:	Concrete Deck w/ Pre-stressed Beams	Overall Struct. Width:	8.6 m
Number of Spans:	1	Roadway Width:	7.5 m
Direction of Structure:	East-West	Total Deck Length:	29 m
GPS Coordinates (Degrees)		Span (s):	27.4 m
General	Latitude: 44.201267	Total Deck Area:	249 sq.m
	Longitude: -80.956352	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:	1970	Contract Number When Built:	
Latest Biennial Inspection:	March 23, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	75	Latest Structure Condition:	
RehabHistory:	Concrete Rehab completed in 2018		
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

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



Description: Railing Systems: Minor impact damage.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-002"/>
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="22"/> 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="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" 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-002"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="8.64"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.75"/> 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="13"/> 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 vertical cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-002"/>
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"/> 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="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"/>	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-002"/>
Element Name:	<input type="text" value="Ballast walls"/>	Width:	<input type="text" value="8.64"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.38"/> 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"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Limited inspection due to diaphragms.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-002"/>
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-002
Element Name:	Signs	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:	Steel	Count:	7
Location:		Total Quantity:	7 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-002"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="7.5"/> 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="92"/> 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-002"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.57"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.21"/> 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="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:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-002"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="7.5"/> 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="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"/>	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-002"/>
Element Name:	<input type="text" value="Barrier/Parapet Walls"/>	Width:	<input type="text" value="0.31"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.83"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.8"/> 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="19"/> 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="Barriers"/>	Site Number:	<input type="text" value="B-002"/>
Element Name:	<input type="text" value="Railing Systems"/>	Width:	<input type="text" value=""/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="29.4"/> m
Material:	<input type="text" value="Aluminum"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="59"/> 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"/>
Rehab time period:	<input type="text"/>
Quantity:	<input type="text" value="0"/>
Unit Cost:	<input type="text"/>
Estimated Cost:	<input type="text"/>

General Comments:

Minor impact damage.



Element Inspection

Element Group:	Beams/Main Longitudinal Elements	Site Number:	B-002
Element Name:	Girders (concrete)	Width:	0.66 m
Element type:	I Type	Height:	1.38 m
Sub-element:		Length:	29.4 m
Material:	Pre-cast Concrete	Count:	4
Location:		Total Quantity:	557 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:	<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-002"/>
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="Cast-in-place 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-002"/>
Element Name:	<input type="text" value="Deck top (with thin slab)"/>	Width:	<input type="text" value="8.64"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="29.4"/> 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="254"/> 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-002"/>
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="10"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="10"/> 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-002"/>
Element Name:	<input type="text" value="Soffit - thin slab"/>	Width:	<input type="text" value="0.9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.22"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="29.4"/> 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="66"/> 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-002"/>
Element Name:	<input type="text" value="Soffit - thin slab"/>	Width:	<input type="text" value="6.84"/> 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="29.4"/> 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="201"/> 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="Decks"/>	Site Number:	<input type="text" value="B-002"/>
Element Name:	<input type="text" value="Wearing Surface"/>	Width:	<input type="text" value="7.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="29.4"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="220"/> 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-002"/>
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" 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-002"/>
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" 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-002"/>
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" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text"/> 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"/>	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-002"/>
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="7.5"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="30"/> 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:

Paved over.



Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="B-002"/>
Element Name:	<input type="text" value="Concrete end dams"/>	Width:	<input type="text" value="7.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0.4"/> 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="12"/> 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:

Paved over.



Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="B-002"/>
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="7.5"/> 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"/>
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:

Paved over.



Element Inspection

Element Group:	<input type="text" value="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="B-002"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.57"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.21"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="29.4"/> 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="46"/> 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:

B-007

Concession 12, Lot 30 & 31 Bridge



East Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 12. Lot 30 & 31 Bridge	Site Number:	B-007
District:		Road Name:	30th Sideroad NDR
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	50
Structure Type:	Timber Deck w/ Steel Beams	Overall Struct. Width:	4.94 m
Number of Spans:	1	Roadway Width:	4.64 m
Direction of Structure:	North-South	Total Deck Length:	11 m
GPS Coordinates (Degrees)		Span (s):	10 m
General	Latitude: 44.275096	Total Deck Area:	54 sq.m
	Longitude: -80.909921	Current Load Limit:	5

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:		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: Shafts/Columns/Pile Bents: Light spalling throughout.



Description: Abutment walls: Medium honeycombing throughout.



Description: Wingwalls: Medium honeycombing throughout.



Description: Signs: Missing hazard sign at SW quadrant.



Description: Approach Wearing surface: Light rutting on south side.



Description: Girders: Very wide vertical crack in west girder above pier.



Description: Deck top: Light to medium weathering throughout.



Description: Soffit (ext): Medium to severe rotting throughout.



Description: Soffit (int): Light weathering.



Description: Curbs: Light weathering and light rot throughout.



Description: Shafts/Columns/Pile Bents: Light to medium honeycombing throughout.



Element Inspection

Element Group:	<input type="text" value="Piers"/>	Site Number:	<input type="text" value="B-007"/>
Element Name:	<input type="text" value="Shafts/Columns/Pile Bents"/>	Width:	<input type="text" value="4.88"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.5"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0.6"/> m
Material:	<input type="text" value="Pre-cast Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="16"/> 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:

Light to medium honeycombing throughout. Light spalling throughout. High water level at time of inspection.



Element Inspection

Element Group:	Piers	Site Number:	B-007
Element Name:	Caps	Width:	0.5 m
Element type:		Height:	0.2 m
Sub-element:		Length:	4.2 m
Material:	Steel	Count:	1
Location:		Total Quantity:	2 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:

Light corrosion throughout. Cap is Steel I-beam.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-007"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="4.94"/> 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="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="9"/> 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 honeycombing throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-007"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.9"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="1.5"/> 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="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"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Medium honeycombing throughout.



Element Inspection

Element Group:	Accessories (Attachments and Signs)	Site Number:	B-007
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:	Routine
Maint needs:	Sign Repair	Maint. Time Period:	1 Year

Condition Data (each):

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

Rehab Needs:		Unit Cost:	
Rehab time period:		Estimated Cost:	
Quantity:	0		

General Comments:

Missing hazard sign at SW quadrant.



Element Inspection

Element Group:	Approaches	Site Number:	B-007
Element Name:	Wearing surface	Width:	4.64 m
Element type:		Height:	0 m
Sub-element:		Length:	6.1 m
Material:	Gravel	Count:	2
Location:		Total Quantity:	58 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:

Light rutting on south side.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-007"/>
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="0.91"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="11"/> m
Material:	<input type="text" value="Timber"/>	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"/>	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:

Light weathering throughout. Very light design.



Element Inspection

Element Group:	<input type="text" value="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="B-007"/>
Element Name:	<input type="text" value="Girders (steel)"/>	Width:	<input type="text" value="0.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="11"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="8"/>
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:

Light corrosion throughout. Very wide vertical crack in west girder above pier, not critical.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-007"/>
Element Name:	<input type="text" value="Deck top (with thin slab)"/>	Width:	<input type="text" value="4.94"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="11"/> m
Material:	<input type="text" value="Timber"/>	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:

Light to medium weathering throughout.



Element Inspection

Element Group:	Decks	Site Number:	B-007
Element Name:	Soffit - thin slab	Width:	0.82 m
Element type:		Height:	0 m
Sub-element:	Exterior	Length:	11 m
Material:	Timber	Count:	2
Location:		Total Quantity:	18 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:

Medium to severe rotting throughout.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-007"/>
Element Name:	<input type="text" value="Soffit - thin slab"/>	Width:	<input type="text" value="3.3"/> 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="11"/> m
Material:	<input type="text" value="Timber"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="36"/> 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"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light weathering.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-007"/>
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-007"/>
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-007"/>
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-007"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.15"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.15"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="11"/> m
Material:	<input type="text" value="Timber"/>	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"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light weathering and light rot throughout.



OSIM Biennial Inspection Report



Site Number:

N-067

Concession 2/3, Lot 63



South Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 2/3, Lot 63	Site Number:	N-067
District:	Concession 2 & 3, Lot 63	Road Name:	Concession Rd 2 WGR
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Culvert	AADT:	0
Structure Type:	Concrete Arch	Overall Struct. Width:	5.7 m
Number of Spans:	1	Roadway Width:	4.9 m
Direction of Structure:	East-West	Total Deck Length:	10 m
GPS Coordinates (Degrees)		Span (s):	9.5 m
REVIEWED	Latitude: 43.999966	Total Deck Area:	57 sq.m
	Longitude: -80.814465	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:	Concrete arch with steel girder and a fiber glass slab on top. Original concrete arch no longer functioning as a structural element.

Overall Inspection Summary

BCI: 73	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:	1920	Contract Number When Built:	
Latest Biennial Inspection:	September 7, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	72.9	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Barrel: Severe spalling with exposed reinforcing throughout.



Description: Barrel: Severe spalling and disintegration at footing on east side.



Description: Outlet: Severe spalling and cracking throughout.



Description: Approach Wearing surface: Severe potholing throughout and possible settlement at west appr



Description: Embankments: Severe erosion on south-east quadrant around retaining wall.



Description: Signs: North signs both very bent.



Description: Wearing surface: Moderate potholing throughout.



Description: Retaining Walls: Retaining walls on east side and north west quadrant starting to push outwa



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-067"/>
Element Name:	<input type="text" value="Wearing surface"/>	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"/>	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="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:

Severe potholing throughout and possible settlement at west approach.



Element Inspection

Element Group:	Embankments & Streams	Site Number:	N-067
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:		Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	Routine
Maint needs:	Erosion control	Maint. Time Period:	1 Year

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:

Severe erosion on south-east quadrant around retaining wall.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-067"/>
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="0.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Pre-cast 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"/>	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="N-067"/>
Element Name:	<input type="text" value="Railing systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="Double box beam with Steel Posts"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
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"/>	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:

Light corrosion throughout.



Element Inspection

Element Group:	Signs	Site Number:	N-067
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:	Pedestrian hazard	Maintenance Type:	Routine
Maint needs:	Sign Repair	Maint. Time Period:	1 Year

Condition Data (each):

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

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

General Comments:

North signs both very bent.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-067"/>
Element Name:	<input type="text" value="Wearing surface"/>	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"/>	Length:	<input type="text" value="10"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="0"/>
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:

Moderate potholing throughout.



Element Inspection

Element Group:	<input type="text" value="Retaining Walls"/>	Site Number:	<input type="text" value="N-067"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="0.6"/> 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="Pre-cast Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="2"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="Continuing movement"/>	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:

Retaining walls on east side and north west quadrant starting to push outwards. Monitor further movement.



Element Inspection

Element Group:	<input type="text" value="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="N-067"/>
Element Name:	<input type="text" value="Girders (steel)"/>	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"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text"/> 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 (%):

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:

Beam details not known. Inspected as %.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="N-067"/>
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="Approaches"/>	Site Number:	<input type="text" value="N-067"/>
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"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="0"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="Vehicular hazard"/>	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 (%):

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:

Recommend attaching approach railing system to bridge railing system.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-067"/>
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="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="0"/> 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:

Not current structure.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-067"/>
Element Name:	<input type="text" value="Barrels"/>	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="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="0"/> 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:

Not current structure. Severe spalling with exposed reinforcing throughout. Severe spalling and disintegration at footing on east side.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-067"/>
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="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="0"/> 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:

Not current structure. Severe spalling and cracking throughout.



OSIM Biennial Inspection Report



Site Number:

N-064

Diepel Bridge, Concession 7, Lot 5/6



West Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Diepel Bridge, Concession 7, Lot 5/6	Site Number:	N-064
District:	Concession 5 & 6, Lot 9	Road Name:	Side Rd 5
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	200
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	8.2 m
Number of Spans:	1	Roadway Width:	7.3 m
Direction of Structure:	North-South	Total Deck Length:	11.6 m
GPS Coordinates (Degrees)		Span (s):	10.7 m
REVIEWED	Latitude: 44.023003	Total Deck Area:	95 sq.m
	Longitude: -80.972402	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: **74**

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 6, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	74.4	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

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



Description: Soffit (int): Light to medium longitudinal crack with leachate staining.



Description: Soffit (ext): Light to medium transverse crack.



Description: Soffit (ext): Medium to wide cracking at construction joint.



Description: Approach curbs: Light spalling throughout.



Description: Barrier/Parapet walls: Light to medium vertical cracking with wetness staining.



Description: Deck top: Shallow popouts throughout.



Description: Curbs: Light spalling throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-064"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="8.2"/> m
Element type:	<input type="text" value="Leas of a riqid frame"/>	Height:	<input type="text" value="3"/> 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="49"/> 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-064"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="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="72"/> 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 leachate staining.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-064"/>
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-064"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="6.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="10.7"/> 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="66"/> 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:

Light to medium longitudinal crack with leachate staining.



Element Inspection

Element Group:	Decks	Site Number:	N-064
Element Name:	Soffit - thick slab	Width:	1 m
Element type:		Height:	0.3 m
Sub-element:	Exterior	Length:	10.7 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	28 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 transverse crack. Medium to wide cracking at construction joint.



Element Inspection

Element Group:	<input type="text" value="Foundations"/>	Site Number:	<input type="text" value="N-064"/>
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-064"/>
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"/> 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="73"/> 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-064"/>
Element Name:	<input type="text" value="Approach slab"/>	Width:	<input type="text" value="8.2"/> 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="82"/>
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-064"/>
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="0.2"/> 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:

Light spalling throughout.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-064"/>
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="0.61"/> 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-064"/>
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="0.61"/> 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="12"/> 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:	Barriers	Site Number:	N-064
Element Name:	Barrier/Parapet walls	Width:	0.27 m
Element type:	Parapet wall w/ a double railing	Height:	0.61 m
Sub-element:	Interior	Length:	11.6 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	20 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 to medium vertical cracking with wetness staining.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-064"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text" value=""/> m
Element type:	<input type="text" value="Parapet wall w/ a double railing"/>	Height:	<input type="text" value="0.61"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="11.6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text" value=""/>	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" value=""/>
Maint needs:	<input type="text" value=""/>	Maint. Time Period:	<input type="text" value=""/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-064"/>
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="11.6"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="23"/> 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-064"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="8.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="11.6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="95"/> 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-064"/>
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:

Build up of sediment on south side has diverted river to north abutment.



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-064"/>
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="N-064"/>
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="0.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="11.6"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="23"/> 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:

Light spalling throughout.



Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="N-064"/>
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-027

Concession 3 SDR, Lot 57, Concession 2 SDR



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 3 SDR. Lot 57. Concession 2	Site Number:	B-027
District:	Concession 3SDR. Lot 57	Road Name:	Concession Rd 2 SDR
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	200
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	8.25 m
Number of Spans:	1	Roadway Width:	7.35 m
Direction of Structure:	East-West	Total Deck Length:	16 m
GPS Coordinates (Degrees)		Span (s):	14 m
REVIEWED	Latitude: 44.154426	Total Deck Area:	132 sq.m
	Longitude: -80.883504	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: 73	Next Inspection:	11-Jun-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

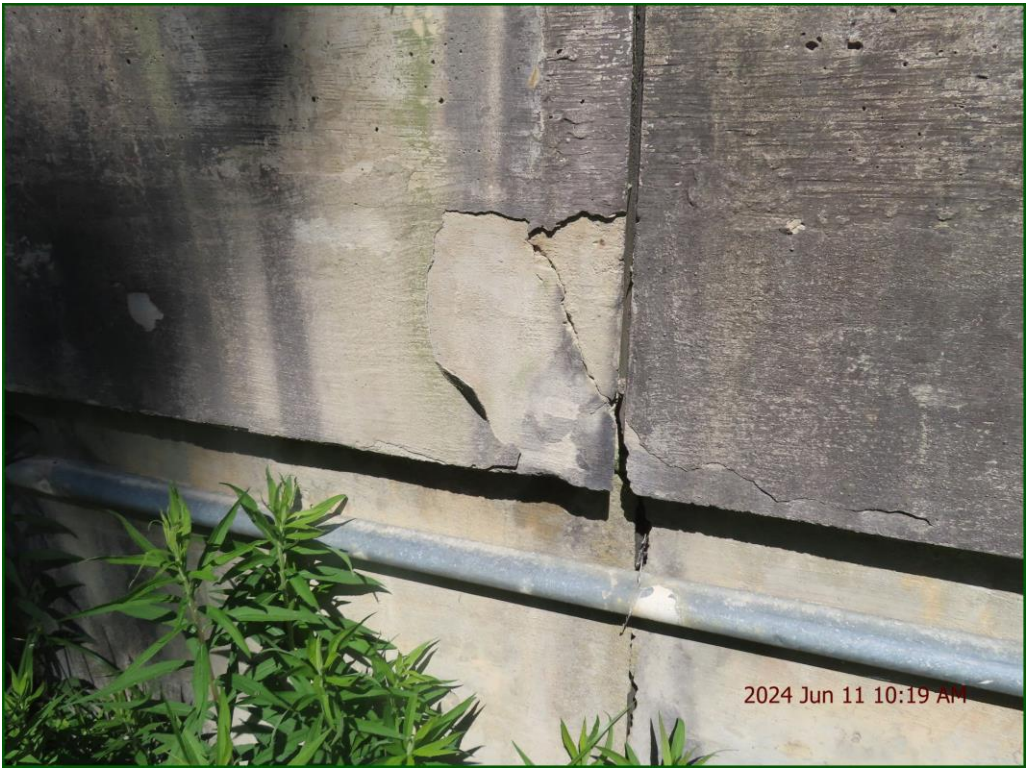
Historical Data

Year Built:	1940	Contract Number When Built:	
Latest Biennial Inspection:	September 6, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	73	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Abutment walls: Wide vertical cracking with leachate staining.



Description: Wingwalls: Shallow delamination throughout.



Description: Soffit (int): Medium to wide transverse crack with leachate staining.



Description: Soffit (int): Shallow delamination along construction joint.



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



Description: Soffit (ext): Light to moderate delamination.



Description: Approach Wearing surface: Narrow to medium transverse and longitudinal cracks.



Element Inspection

Element Group:	Abutments	Site Number:	B-027
Element Name:	Walls	Width:	8.25 m
Element type:	Leas of a rigid frame	Height:	1.2 m
Sub-element:		Length:	
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	20 sqm
Environment:	Benian	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:

Wide vertical cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-027"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2"/> 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="34"/> 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:

Shallow delamination throughout.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-027"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="6.25"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="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="88"/> 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 transverse crack with leachate staining. Shallow delamination along construction joint.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-027"/>
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="0.9"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="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="53"/> 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. Light to moderate delamination.



Element Inspection

Element Group:	Foundations	Site Number:	B-027
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-027"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="7.35"/> 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="74"/> 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:

Narrow to medium transverse and longitudinal cracks.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-027"/>
Element Name:	<input type="text" value="Approach slab"/>	Width:	<input type="text" value="8.25"/> 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="82"/>
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-027"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.45"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.3"/> 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="B-027"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text"/> m
Element type:	<input type="text" value="Flexi beam with timber posts"/>	Height:	<input type="text" value="0.9"/> 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="B-027"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text"/> m
Element type:	<input type="text" value="Flexi beam with timber posts"/>	Height:	<input type="text" value="0.9"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="16"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="32"/>
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="B-027"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="8.25"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="16"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="132"/> 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="B-027"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="7.35"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="16"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="118"/> 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="Embankments and Streams"/>	Site Number:	<input type="text" value="B-027"/>
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-027"/>
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-027"/>
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="0.25"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="16"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="32"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text" value="Routine"/>
Maint needs:	<input type="text" value="Bridge cleaning"/>	Maint. Time Period:	<input type="text" value="2 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"/>		

General Comments:

Recommend removing vegetation from curblines.



Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="B-027"/>
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:

G-043

Glenelg Centre Bridge, Concession 5, Lot 17



West Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Glenela Centre Bridge, Concession 5, Lot	Site Number:	G-043
District:	Concession 4 & 5, Lot 17	Road Name:	Concession Rd 4
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	150
Structure Type:	Concrete Deck w/ Pre-stressed Beams	Overall Struct. Width:	8.5 m
Number of Spans:	2	Roadway Width:	7.4 m
Direction of Structure:	North-South	Total Deck Length:	43.9 m
GPS Coordinates (Degrees)		Span (s):	21.35 m
REVIEWED	Latitude: 44.233907	Total Deck Area:	373 sq.m
	Longitude: -80.695979	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:	Sunny
Temperature:	22
Special Notes:	Bridge is in good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 75	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:	1972	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: Girders: Moderate delamination at girder ends.



Description: Approach Wearing surface: Medium transverse crack.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="G-043"/>
Element Name:	<input type="text" value="Walls"/>	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="8.5"/> 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="24"/> 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-043"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.5"/> 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="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:	Abutments	Site Number:	G-043
Element Name:	Ballast walls	Width:	8.5 m
Element type:		Height:	1.825 m
Sub-element:		Length:	
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	31 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:

Limited inspection due to diaphragms.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="G-043"/>
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:	Decks	Site Number:	G-043
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:	16
Location:	<input type="text"/>	Total Quantity:	16 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: 16 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="Decks"/>	Site Number:	<input type="text" value="G-043"/>
Element Name:	<input type="text" value="Soffit - thin slab"/>	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="43.9"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="373"/> 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-043
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:	3
Location:	<input type="text"/>	Total Quantity:	3
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: 0 Good: 3 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:	Beams/MLE's	Site Number:	G-043
Element Name:	Girders (concrete)	Width:	0.75 m
Element type:		Height:	1.375 m
Sub-element:		Length:	43.9 m
Material:	Pre-cast Concrete	Count:	4
Location:		Total Quantity:	878 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 at girder ends.



Element Inspection

Element Group:	<input type="text" value="Beams/MLE's"/>	Site Number:	<input type="text" value="G-043"/>
Element Name:	<input type="text" value="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:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="15"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="15"/> 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:	Piers	Site Number:	G-043
Element Name:	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:	Elastomeric	Count:	8
Location:	<input type="text"/>	Total Quantity:	8 each
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 (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"/>		

General Comments:

Limited inspection due to height of pier.



Element Inspection

Element Group:	<input type="text" value="Piers"/>	Site Number:	<input type="text" value="G-043"/>
Element Name:	<input type="text" value="Caps"/>	Width:	<input type="text" value="1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.5"/> 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" 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" 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="Piers"/>	Site Number:	<input type="text" value="G-043"/>
Element Name:	<input type="text" value="Shafts/Columns/Pile Bents"/>	Width:	<input type="text" value="8.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="12"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="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="228"/> 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="Approaches"/>	Site Number:	<input type="text" value="G-043"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="7.4"/> 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="Asphalt"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="74"/> 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 transverse crack.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="G-043"/>
Element Name:	<input type="text" value="Approach slab"/>	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="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="85"/>
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-043"/>
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="0.2"/> 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="G-043"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text" value="0.44"/> m
Element type:	<input type="text"/>	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="49"/> 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="G-043"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text" value="0.44"/> m
Element type:	<input type="text" value="Three rail"/>	Height:	<input type="text" value="1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="43.9"/> m
Material:	<input type="text" value="Aluminum"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="88"/>
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-043"/>
Element Name:	<input type="text" value="Deck top (with thin slab)"/>	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="43.9"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="373"/> 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="Joints"/>	Site Number:	<input type="text" value="G-043"/>
Element Name:	<input type="text" value="Armouring/retaining devices"/>	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="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" 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="Joints"/>	Site Number:	<input type="text" value="G-043"/>
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"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0.2"/> 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="7"/> 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="Joints"/>	Site Number:	<input type="text" value="G-043"/>
Element Name:	<input type="text" value="Seals (strip)"/>	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="8.5"/> 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" 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"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="G-043"/>
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:	Embankments and Streams	Site Number:	G-043
Element Name:	Embankments	Width:	
Element type:		Height:	
Sub-element:		Length:	
Material:		Count:	4
Location:		Total Quantity:	4
Environment:		Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Sidewalks/curbs"/>	Site Number:	<input type="text" value="G-043"/>
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="0.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="43.9"/> 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="88"/> 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="G-043"/>
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:



Concession 4, Burkes Overflow Bridge



South Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 4, Burkes Overflow Bridge	Site Number:	G-041
District:		Road Name:	Concession 4
County:	Grey County	Owner:	Township
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	100
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	6.5 m
Number of Spans:	1	Roadway Width:	5.12 m
Direction of Structure:	East-West	Total Deck Length:	10.7 m
GPS Coordinates (Degrees)		Span (s):	6.5 m
General	Latitude: 44.231251	Total Deck Area:	70 sq.m
	Longitude: -80.713849	Current Load Limit:	5

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:	Bridge is in fair condition, showing no signs of structural distress. Recommend railing system repair.

Overall Inspection Summary

BCI: 70	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:	70	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Approach Wearing surface: Localized alligator cracking.



Description: Approach Wearing surface: Moderate pothole on east approach.



Description: Abutment walls: Medium vertical cracking with leachate staining.



Description: Wingwalls: Light to medium map cracking with leachate staining throughout.



Description: Railing systems: Severe impact damage on NW quadrant.



Description: Railing systems: Severe rot.



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



Element Inspection

Element Group:	Approaches	Site Number:	G-041
Element Name:	Approach slabs	Width:	5.2 m
Element type:		Height:	0 m
Sub-element:		Length:	6.1 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	64 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:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="G-041"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="5.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.1"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="64"/> 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:

Localized alligator cracking. Moderate pothole on east approach.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="G-041"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.75"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5.75"/> 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="20"/> 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:

Medium vertical cracking with leachate staining.



Element Inspection

Element Group:	Abutments	Site Number:	G-041
Element Name:	Wingwalls	Width:	0 m
Element type:		Height:	1.75 m
Sub-element:		Length:	2.1 m
Material:	Cast-in-place Concrete	Count:	4
Location:		Total Quantity:	15 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 to medium map cracking with leachate staining throughout.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="G-041"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text" value="0.25"/> m
Element type:	<input type="text" value="Parapet wall w/ no railing"/>	Height:	<input type="text" value="0.86"/> 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"/>	Total Quantity:	<input type="text" value="43"/> 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"/>
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:

Light to medium vertical cracks with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="G-041"/>
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="0.75"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="21.25"/> 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="85"/> 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" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Severe impact damage on NW quadrant. Severe rot.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-041"/>
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="0.5"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="6.5"/> 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="20"/> 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="G-041"/>
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" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light corrosion typical.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-041"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="4.75"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.5"/> m
Sub-element:	<input type="text" value="Interior"/>	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="31"/> 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:

Medium to wide longitudinal cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-041"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="6.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="5.75"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="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="37"/> 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="G-041"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="6.5"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> 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"/>	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-041"/>
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:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="G-041"/>
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:

Stream dry at time of inspection.



Element Inspection

Element Group:	Accessories (Attachments and Signs)	Site Number:	G-041
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:		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="Foundations"/>	Site Number:	<input type="text" value="G-041"/>
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" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="0"/> 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:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Retaining Walls"/>	Site Number:	<input type="text" value="G-041"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="1.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	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:

Gabion basket.



OSIM Biennial Inspection Report



Site Number:

N-069

Pfeffer Bridge, Concession 2, Lot 70/71



South Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Pfeffer Bridge, Concession 2, Lot 70/71	Site Number:	N-069
District:	Concession 2, Lot 70	Road Name:	Rd 71
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	250
Structure Type:	Concrete Deck w/ Pre-stressed Beams	Overall Struct. Width:	9.2 m
Number of Spans:	3	Roadway Width:	7.3 m
Direction of Structure:	East-West	Total Deck Length:	51.2 m
GPS Coordinates (Degrees)		Span (s):	48.8 m
REVIEWED	Latitude: 43.98177	Total Deck Area:	471 sq.m
	Longitude: -80.80888	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:	22
Special Notes:	Bridge is in good condition, showing no signs of structural distress. Consider deck condition survey.

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:	1977	Contract Number When Built:	
Latest Biennial Inspection:	September 7, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	74.6	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Approach curbs: Light spalling at corners.



Description: Curbs: Minor abrasions along curblines.



Description: Barrier/Parapet walls (int): Light to medium map cracking with wetness staining throughout.



Description: Deck top: Moderate to severe spalling throughout has been patched using cold patch.



Description: Deck top: Various locations still have alligator cracking around patching.



Description: Railing system: Minor impact damage throughout.



Description: Abutment walls: Medium to wide horizontal crack in previously patched area below girder. 5



Description: Diaphragms: Light localized spalling on one diaphragm.



Description: Soffit (ext): Shallow spall with exposed reinforcing.



Description: Caps: Light map cracking with wetness staining.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-069"/>
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="5"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="0"/>
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" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Moderate alligator cracking at joint.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-069"/>
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="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="37"/> 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:	N-069
Element Name:	Curbs	Width:	0.45 m
Element type:		Height:	0.2 m
Sub-element:		Length:	5 m
Material:	Cast-in-place Concrete	Count:	4
Location:		Total Quantity:	20 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:

Light spalling at corners.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-069"/>
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"/> 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="20"/> 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="Accessories"/>	Site Number:	<input type="text" value="N-069"/>
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"/>	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="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="N-069"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.85"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="51.2"/> 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="102"/> 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:

Minor abrasians along curblines.



Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="N-069"/>
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="9.2"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="6"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="55"/> 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:

Light corrosion.



Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="N-069"/>
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="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:

Seals beginning to fail. Seals filled with debris.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-069"/>
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"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="20"/> 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:

Light to medium map cracking with wetness staining throughout.



Element Inspection

Element Group:	Decks	Site Number:	N-069
Element Name:	Deck top (with thick slab)	Width:	7.3 m
Element type:		Height:	0 m
Sub-element:		Length:	51.2 m
Material:	Cast-in-place Concrete	Count:	0
Location:		Total Quantity:	374 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:

Moderate to severe spalling throughout has been patched using cold patch, various locations still have alligator cracking around patching.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-069"/>
Element Name:	<input type="text" value="Railing systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="3 Rail"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="51.2"/> m
Material:	<input type="text" value="Aluminum"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="102"/> 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:
Minor impact damage throughout.



Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="N-069"/>
Element Name:	<input type="text" value="Concrete end dams"/>	Width:	<input type="text" value="9.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0.1"/> 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="2"/> 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="N-069"/>
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-069"/>
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-069"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="3.1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="4.5"/> 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="56"/> 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:	Abutments	Site Number:	N-069
Element Name:	Walls	Width:	0 m
Element type:		Height:	3.1 m
Sub-element:		Length:	8.2 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	51 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:

Medium to wide horizontal crack in previously patched area below girder.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-069"/>
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="16"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="16"/> 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="Abutments"/>	Site Number:	<input type="text" value="N-069"/>
Element Name:	<input type="text" value="Ballast walls"/>	Width:	<input type="text" value="9.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.75"/> 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="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="32"/> 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:	Beams/Main Longitudinal Elements	Site Number:	N-069
Element Name:	Diaphragms	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	12
Location:		Total Quantity:	12 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:

Light localized spalling on one diaphragm.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-069"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="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="51.2"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="410"/> 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="Decks"/>	Site Number:	<input type="text" value="N-069"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="0.6"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.2"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="51.6"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="83"/> 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:

Shallow spall with exposed reinforcing.



Element Inspection

Element Group:	Beams/Main Longitudinal Elements	Site Number:	N-069
Element Name:	Girders (concrete)	Width:	0.55 m
Element type:		Height:	1.15 m
Sub-element:		Length:	48.8 m
Material:	Pre-cast Concrete	Count:	4
Location:		Total Quantity:	771 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:



Element Inspection

Element Group:	<input type="text" value="Piers"/>	Site Number:	<input type="text" value="N-069"/>
Element Name:	<input type="text" value="Shafts/Columns/Pile Bents"/>	Width:	<input type="text" value="7.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="5"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0.9"/> 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="168"/> 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="Piers"/>	Site Number:	<input type="text" value="N-069"/>
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" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Piers"/>	Site Number:	<input type="text" value="N-069"/>
Element Name:	<input type="text" value="Caps"/>	Width:	<input type="text" value="9.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="1.2"/> 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="59"/> 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:

Light map cracking with wetness staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-069"/>
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" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



OSIM Biennial Inspection Report



Site Number:

B-014

Concession 4 & 5, Roy Hopkins Bridge



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 4 & 5. Roy Hopkins Bridge	Site Number:	B-014
District:		Road Name:	Concession 4
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:	9.9 m
Number of Spans:	3	Roadway Width:	8.3 m
Direction of Structure:	East-West	Total Deck Length:	63 m
GPS Coordinates (Degrees)		Span (s):	58.8 m
General	Latitude: 44.204088	Total Deck Area:	624 sq.m
	Longitude: -80.938854	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 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:	\$0.00	Engineering Fee:	

Historical Data

Year Built:	1924	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: Improper connection to bridge.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-014"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="9.9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.22"/> 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="44"/> 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-014"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="3.72"/> 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="37"/> 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-014"/>
Element Name:	<input type="text" value="Ballast walls"/>	Width:	<input type="text" value="9.9"/> 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="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="28"/> 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-014"/>
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="10"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="10"/> 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="Accessories (Attachments and Signs)"/>	Site Number:	<input type="text" value="B-014"/>
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-014"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="8.3"/> 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="101"/> 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-014"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.58"/> 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"/> 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="17"/> 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-014"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="8.3"/> 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="Asphalt"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="101"/> 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="Barriers"/>	Site Number:	<input type="text" value="B-014"/>
Element Name:	<input type="text" value="Barrier/Parapet Walls"/>	Width:	<input type="text" value="0.28"/> 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"/>	Length:	<input type="text" value="68.79"/> 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="231"/> 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-014
Element Name:	Railing Systems	Width:	0 m
Element type:	Flexi beam with timber posts	Height:	0.7 m
Sub-element:		Length:	21 m
Material:	Steel	Count:	4
Location:	Approaches	Total Quantity:	84 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:	<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:

Improper connection to bridge.



Element Inspection

Element Group:	<input type="text" value="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="B-014"/>
Element Name:	<input type="text" value="Girders (concrete)"/>	Width:	<input type="text" value="0.65"/> m
Element type:	<input type="text" value="I Type"/>	Height:	<input type="text" value="1.4"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="58.79"/> m
Material:	<input type="text" value="Pre-cast Concrete"/>	Count:	<input type="text" value="5"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1396"/> 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="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="B-014"/>
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="Cast-in-place Concrete"/>	Count:	<input type="text" value="20"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="20"/> 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-014"/>
Element Name:	<input type="text" value="Deck top (with thin slab)"/>	Width:	<input type="text" value="9.9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="58.79"/> 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="582"/> 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-014"/>
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="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"/>	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-014"/>
Element Name:	<input type="text" value="Soffit - thin 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="58.79"/> 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="165"/> 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-014"/>
Element Name:	<input type="text" value="Soffit - thin 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" value="Interior"/>	Length:	<input type="text" value="58.79"/> 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="464"/> 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-014"/>
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"/>
Rehab time period:	<input type="text"/>
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="Embankments & Streams"/>	Site Number:	<input type="text" value="B-014"/>
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-014"/>
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" value="0"/> 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="Joints"/>	Site Number:	<input type="text" value="B-014"/>
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="8.3"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="33"/> 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-014"/>
Element Name:	<input type="text" value="Concrete end dams"/>	Width:	<input type="text" value="8.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0.3"/> 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="5"/> 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-014"/>
Element Name:	<input type="text" value="Seals/sealants"/>	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="8.3"/> m
Material:	<input type="text" value="Rubber"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="2"/>
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:

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" value="\$0"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

New seals noted. Recommend removing sediment from seals for better inspection.

Element Inspection

Element Group:	<input type="text" value="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="B-014"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.58"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.27"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="58.79"/> 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="100"/> 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="Piers"/>	Site Number:	<input type="text" value="B-014"/>
Element Name:	<input type="text" value="Caps"/>	Width:	<input type="text" value="10.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.6"/> 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="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" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Piers"/>	Site Number:	<input type="text" value="B-014"/>
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="10"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="10"/> 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="Piers"/>	Site Number:	<input type="text" value="B-014"/>
Element Name:	<input type="text" value="Shafts/Columns/Pile Bents"/>	Width:	<input type="text" value="9.9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0.6"/> 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="126"/> 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:

N-184

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-184
District:	Sideroad 25, Conc 8	Road Name:	Side Rd 25
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Culvert	AADT:	150
Structure Type:	Box Culvert Open Footing - Simple	Overall Struct. Width:	9 m
Number of Spans:	1	Roadway Width:	6.2 m
Direction of Structure:	North-South	Total Deck Length:	3.7 m
GPS Coordinates (Degrees)		Span (s):	3.2 m
REVIEWED	Latitude: 44.039948	Total Deck Area:	33 sq.m
	Longitude: -80.872939	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:	22
Special Notes:	Culvert is in poor condition. Schedule for closure and complete follow up inspection in 1 year.

Overall Inspection Summary

BCI: 47	Next Inspection:	31-Jul-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:	Replace		
Rehabilitation Timing:	1 to 5 years		
Total Rehabilitation Budget Costings:	\$224,000.00	Engineering Fee:	\$26,880

Historical Data

Year Built:	0	Contract Number When Built:	
Latest Biennial Inspection:	September 7, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	46.8	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Inlet: Wide cracking at construction joint.



Description: Inlet: Severe spalling and disintegration.



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



Description: Outlet: Severe disintegration along fascia with exposed reinforcing.



Description: Outlet: Severe disintegration at waterline, undermining culvert.



Description: Barrel: Severe spalling with exposed reinforcing throughout.



Description: Barrel: Severe scaling.



Description: Barrel: Severe disintegration along waterline, has undermined culvert.



Description: Barrel: Wide vertical cracks propegating from spalling.



Description: Curbs: Medium to wide cracking throughout.



Element Inspection

Element Group:	<input type="text" value="Culvert (overall)"/>	Site Number:	<input type="text" value="N-184"/>
Element Name:	<input type="text" value="All Elements"/>	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="3.7"/> 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="33"/> sqm
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"/>
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 Culvert (concrete)"/>	Unit Cost:	<input type="text" value="\$5600 / sq.m"/>
Rehab time period:	<input type="text" value="1 - 5 Years"/>	Estimated Cost:	<input type="text" value="\$224,000"/>
Quantity:	<input type="text" value="40"/> sq.m		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-184"/>
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="3.7"/> 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="N-184"/>
Element Name:	<input type="text" value="Inlet Components"/>	Width:	<input type="text" value="3.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1"/> 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="8"/> 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:

Wide cracking at construction joint. Severe spalling and disintegration. Light to medium map cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-184"/>
Element Name:	<input type="text" value="Outlet Components"/>	Width:	<input type="text" value="3.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1"/> 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="8"/> 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 disintegration along fascia with exposed reinforcing. Severe disintegration at waterline, undermining culvert.



Element Inspection

Element Group:	Culverts	Site Number:	N-184
Element Name:	Barrels	Width:	3.2 m
Element type:		Height:	1 m
Sub-element:		Length:	9 m
Material:	Cast-in-place Concrete	Count:	1
Location:		Total Quantity:	47 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:

Severe spalling with exposed reinforcing throughout. Severe scaling. Severe disintegration along waterline, has undermined culvert. Wide vertical cracks propegating from spalling.



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-184"/>
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-184"/>
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-184
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:	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: 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:	Signs	Site Number:	N-184
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:	Sidewalks/ curbs	Site Number:	N-184
Element Name:	Curbs	Width:	0.35 m
Element type:		Height:	0.2 m
Sub-element:		Length:	3.7 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	7 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:

Curb beginning to lean outwards. Medium to wide cracking throughout.



OSIM Biennial Inspection Report



Site Number:

N-188

Sideroad 25, Conc. 12, Lot 25/26



North Approach



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Sideroad 25, Conc. 12, Lot 25/26	Site Number:	N-188
District:	Sideroad 25, Conc. 12	Road Name:	Side Rd 25
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Culvert	AADT:	100
Structure Type:	Box Culvert Open Footing - Simple	Overall Struct. Width:	5 m
Number of Spans:	1	Roadway Width:	5 m
Direction of Structure:	North-South	Total Deck Length:	5.3 m
GPS Coordinates (Degrees)		Span (s):	4.1 m
REVIEWED	Latitude: 44.082926	Total Deck Area:	26 sq.m
	Longitude: -80.882706	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 poor condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 54

Next Inspection: 31-Jul-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:	Replace		
Rehabilitation Timing:	1 to 5 years		
Total Rehabilitation Budget Costings:	\$196,000.00	Engineering Fee:	\$23,520

Historical Data

Year Built:	0	Contract Number When Built:	
Latest Biennial Inspection:	September 7, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	55.8	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Inlet: Severe spalling and disintegration.



Description: Outlet: Severe spalling and disintegration.



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



Description: Barrel: Severe spalling and disintegration.



Description: Barrel: Medium to wide cracking with leachate staining throughout.



Description: Barrel: Severe spalling and disintegration (undermining).



Description: Barrel: View from west.



Description: Embankments: Minor erosion on north-east quadrant.



Element Inspection

Element Group:	<input type="text" value="Culvert (overall)"/>	Site Number:	<input type="text" value="N-188"/>
Element Name:	<input type="text" value="All Elements"/>	Width:	<input type="text" value="5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="4.1"/> 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="26"/> sqm
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"/>
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 Culvert (concrete)"/>	Unit Cost:	<input type="text" value="\$5600 / sq.m"/>
Rehab time period:	<input type="text" value="1 - 5 Years"/>	Estimated Cost:	<input type="text" value="\$196,000"/>
Quantity:	<input type="text" value="35"/> sq.m		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-188"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="5"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5.3"/> m
Material:	<input type="text" value="Gravel"/>	Count:	<input type="text"/>
Location:	<input type="text" value="Over Barrel"/>	Total Quantity:	<input type="text" value="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:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-188"/>
Element Name:	<input type="text" value="Inlet Components"/>	Width:	<input type="text" value="4.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.2"/> 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="1"/>
Location:	<input type="text" value="East"/>	Total Quantity:	<input type="text" value="3"/> 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.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-188"/>
Element Name:	<input type="text" value="Outlet Components"/>	Width:	<input type="text" value="4.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.2"/> 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="1"/>
Location:	<input type="text" value="West"/>	Total Quantity:	<input type="text" value="8"/> 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. Medium to wide cracking with leachate staining throughout.



Element Inspection

Element Group:	<input type="text" value="Culverts"/>	Site Number:	<input type="text" value="N-188"/>
Element Name:	<input type="text" value="Barrels"/>	Width:	<input type="text" value="4.1"/> 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="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="28"/> 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:

Severe spalling and disintegration. Medium to wide cracking with leachate staining throughout. Severe spalling and disintegration (undermining).



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-188"/>
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-188"/>
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-188"/>
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:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-188"/>
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="0.6"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5.3"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="5"/> 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:	Embankments & Streams	Site Number:	N-188
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:		Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	Routine
Maint needs:	Erosion control	Maint. Time Period:	1 Year

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:

Steep embankments recommend approach protection.Minor erosion on north-east quadrant.



OSIM Biennial Inspection Report



Site Number:

N-068

Concession 3, Lot 63/64



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 3, Lot 63/64	Site Number:	N-068
District:	Concession 3, Lot 63 & 64	Road Name:	63 Rd
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	250
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	9.8 m
Number of Spans:	1	Roadway Width:	8.5 m
Direction of Structure:	East-West	Total Deck Length:	12.2 m
GPS Coordinates (Degrees)		Span (s):	10.7 m
REVIEWED	Latitude: 43.997648	Total Deck Area:	120 sq.m
	Longitude: -80.817814	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:	1965	Contract Number When Built:	
Latest Biennial Inspection:	September 7, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	74.8	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Soffit (int): Light to medium longitudinal cracking with leachate staining.



Description: Railing system: Moderate impact damage on south-east corner.



Description: Deck top: Minor abrasions throughout.



Description: Curbs: Severe delamination throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-068"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="9.8"/> m
Element type:	<input type="text" value="Leas of a riqid frame"/>	Height:	<input type="text" value="4.25"/> 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="83"/> 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-068"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="4.25"/> 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="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="104"/> 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-068"/>
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-068"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="7.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="10.7"/> 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="84"/> 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:

Light to medium longitudinal cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-068"/>
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="10.7"/> 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="30"/> 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-068
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="N-068"/>
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-068"/>
Element Name:	<input type="text" value="Approach slab"/>	Width:	<input type="text" value="9.8"/> 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="98"/>
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-068"/>
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="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-068"/>
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="1.1"/> 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-068"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.1"/> 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-068"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="12.2"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="24"/>
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="Barrier/railing system repair"/>	Maint. Time Period:	<input type="text" value="2 Year"/>

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:

Moderate impact damage on south-east corner.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-068"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="9.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="12.2"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="120"/> 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-068"/>
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-068"/>
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-068"/>
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="0.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="12.2"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="24"/> 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:

Severe delamination throughout.



Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="N-068"/>
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-050

Concession 17/18, Lot 1



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 17/18, Lot 1	Site Number:	N-050
District:	Concession 17 & 18, Lot 1	Road Name:	Concession Road 18 Extensio
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:	10.2 m
Number of Spans:	1	Roadway Width:	8.8 m
Direction of Structure:	East-West	Total Deck Length:	19.4 m
GPS Coordinates (Degrees)		Span (s):	18.3 m
REVIEWED	Latitude: 44.112918	Total Deck Area:	198 sq.m
	Longitude: -81.017045	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:	1960	Contract Number When Built:	
Latest Biennial Inspection:	September 6, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	74.8	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Approach Curbs: Light delamination throughout.



Description: Curbs: Light delamination throughout.



Description: Curbs: Light to medium cracking with leachate staining throughout.



Description: Wearing Surface: Shallow pothole.



Description: Soffit (int): Shallow delamination throughout.



Description: Soffit (int): Light to medium crack with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-050"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="8.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="4.5"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="79"/> 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:	Approaches	Site Number:	N-050
Element Name:	Curbs	Width:	0.8 m
Element type:		Height:	0.25 m
Sub-element:		Length:	4.5 m
Material:	Cast-in-place Concrete	Count:	4
Location:		Total Quantity:	18 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:

Light delamination throughout.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-050"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="8.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="4.5"/> 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="79"/> 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:	N-050
Element Name:	Barrier/Parapet walls	Width:	0 m
Element type:		Height:	0.85 m
Sub-element:		Length:	2 m
Material:	Cast-in-place Concrete	Count:	4
Location:	End posts	Total Quantity:	14 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:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-050"/>
Element Name:	<input type="text" value="Deck top (with thin slab)"/>	Width:	<input type="text" value="8.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="19.4"/> 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="171"/> 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-050"/>
Element Name:	<input type="text" value="Curbs"/>	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="19.4"/> 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="39"/> 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:

Light delamination throughout. Light to medium cracking with leachate staining throughout.



Element Inspection

Element Group:	Accessories	Site Number:	N-050
Element Name:	Signs	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:		Count:	6
Location:		Total Quantity:	6 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:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="N-050"/>
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="Abutments"/>	Site Number:	<input type="text" value="N-050"/>
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"/> 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="40"/> 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:	N-050
Element Name:	Soffit - thin slab	Width:	0.4 m
Element type:		Height:	0.3 m
Sub-element:	Exterior	Length:	19.4 m
Material:		Count:	2
Location:		Total Quantity:	27 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:	Abutments	Site Number:	N-050
Element Name:	Walls	Width:	10 m
Element type:		Height:	2.95 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	59 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:	<input type="text" value="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="N-050"/>
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="Cast-in-place Concrete"/>	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" 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-050"/>
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="10"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="10"/> 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="Decks"/>	Site Number:	<input type="text" value="N-050"/>
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" 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="N-050"/>
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"/>	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="Decks"/>	Site Number:	<input type="text" value="N-050"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="8.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="19.4"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="171"/> 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:

Shallow pothole.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-050"/>
Element Name:	<input type="text" value="Railing systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="Post and rail"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="19.4"/> 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="39"/> 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="Embankments & Streams"/>	Site Number:	<input type="text" value="N-050"/>
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="Decks"/>	Site Number:	<input type="text" value="N-050"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="9.4"/> 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="19.4"/> 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="182"/> 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:

Shallow delamination throughout. Light to medium crack with leachate staining.



Element Inspection

Element Group:	Beams/Main Longitudinal Elements	Site Number:	N-050
Element Name:	Girders (steel)	Width:	0.3 m
Element type:		Height:	0.85 m
Sub-element:		Length:	19.4 m
Material:	Steel	Count:	5
Location:		Total Quantity:	254 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:

Areas of coating breakdown, not critical.



Element Inspection

Element Group:	<input type="text" value="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="N-050"/>
Element Name:	<input type="text" value="Diaphragms"/>	Width:	<input type="text" value="0.05"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.4"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.2"/> 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="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:



Concession 2 & 3N, Lot 33, Northline Rd Bridge



South Elevation



Inventory Data

Structure Name:	Concession 2 & 3N, Lot 33, Northline Rd B	Site Number:	G-045
District:		Road Name:	North Line
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	100
Structure Type:	Concrete Deck w/ Steel Beams	Overall Struct. Width:	7.8 m
Number of Spans:	1	Roadway Width:	7.8 m
Direction of Structure:	East-West	Total Deck Length:	13.4 m
GPS Coordinates (Degrees)		Span (s):	12 m
General	Latitude: 44.215510	Total Deck Area:	105 sq.m
	Longitude: -80.689125	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:	Bridge is in good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 75

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:	1920	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: Wingwalls: Light to medium horizontal cracking with leachate staining.



Description: Approach Wearing surface: Light transverse cracking on east approach.



Description: Diaphragms: Impact damage.



Element Inspection

Element Group:	Abutments	Site Number:	G-045
Element Name:	Abutment walls	Width:	7.8 m
Element type:		Height:	2.1 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	33 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="G-045"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.76"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.43"/> 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"/>	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="Abutments"/>	Site Number:	<input type="text" value="G-045"/>
Element Name:	<input type="text" value="Ballast walls"/>	Width:	<input type="text" value="7.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.66"/> 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="10"/> 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="G-045"/>
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" 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:	G-045
Element Name:	Signs	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	0 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:

Eight (8) hazard signs.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="G-045"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="6.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> 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="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:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="G-045"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> 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="82"/> 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 tranverse cracking on east approach.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="G-045"/>
Element Name:	<input type="text" value="Railing Systems"/>	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="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="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="G-045"/>
Element Name:	<input type="text" value="Girders (steel)"/>	Width:	<input type="text" value="0.25"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.66"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="13.4"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="111"/> 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"/>	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="G-045"/>
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="Steel"/>	Count:	<input type="text" value="6"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="6"/> 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:

Impact damage.



Element Inspection

Element Group:	<input type="text" value="Coatings"/>	Site Number:	<input type="text" value="G-045"/>
Element Name:	<input type="text" value="Structural steel (coating)"/>	Width:	<input type="text" value="0.25"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.66"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="13.4"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="111"/> 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="G-045"/>
Element Name:	<input type="text" value="Deck top (with thin slab)"/>	Width:	<input type="text" value="7.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="13.4"/> 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="105"/> 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="G-045"/>
Element Name:	<input type="text" value="Soffit - thin slab"/>	Width:	<input type="text" value="1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.31"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="13.4"/> 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:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-045"/>
Element Name:	<input type="text" value="Soffit - thin slab"/>	Width:	<input type="text" value="5.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="13.4"/> 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="78"/> 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="Decks"/>	Site Number:	<input type="text" value="G-045"/>
Element Name:	<input type="text" value="Wearing Surface"/>	Width:	<input type="text" value="6.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="13.4"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="90"/> 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="G-045"/>
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" 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"/>
Rehab time period:	<input type="text"/>
Quantity:	<input type="text" value="0"/>
Unit Cost:	<input type="text"/>
Estimated Cost:	<input type="text"/>

General Comments:



Element Inspection

Element Group:	Embankments & Streams	Site Number:	G-045
Element Name:	Streams and Waterways	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	0 m
Material:	<input type="text"/>	Count:	1
Location:	<input type="text"/>	Total Quantity:	1 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: 1 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:	Foundations	Site Number:	G-045
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:	0 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.

Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="G-045"/>
Element Name:	<input type="text" value="Armouring/retaining devices"/>	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="6.7"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="13"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input checked="" 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:

Paved over.



Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="G-045"/>
Element Name:	<input type="text" value="Concrete end dams"/>	Width:	<input type="text" value="6.7"/> 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="Cast-in-place Concrete"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="0"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input checked="" 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:

Paved over.



Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="G-045"/>
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="6.7"/> 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 checked="" 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:

Paved over.



OSIM Biennial Inspection Report



Site Number:

B-012

Concession 1W, Lot 6 & 7 Bridge



South Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 1W, Lot 6 & 7 Bridge	Site Number:	B-012
District:		Road Name:	Welbeck Road
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	450
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	9.1 m
Number of Spans:	1	Roadway Width:	8.5 m
Direction of Structure:	East-West	Total Deck Length:	8.8 m
GPS Coordinates (Degrees)		Span (s):	7.6 m
General	Latitude: 44.278719	Total Deck Area:	80 sq.m
	Longitude: -80.858556	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: 74

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:		Contract Number When Built:	
Latest Biennial Inspection:	March 27, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	74	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Approach Wearing Surface: Shallow potholes throughout.



Description: Railing Systems: Recommend to mount flexi beam to face of parapet wall.



Description: Railing Systems: Severe rot throughout.



Description: Soffit (int): Shallow delaminations throughout.



Description: Wearing Surface: Wearing surface does not extend to curblin.



Description: Embankments: Minor erosion at NE quadrant.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-012"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="9.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.1"/> 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="20"/> 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-012"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.79"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.2"/> 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="6"/> 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:	Accessories (Attachments and Signs)	Site Number:	B-012
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="Approaches"/>	Site Number:	<input type="text" value="B-012"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.95"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.25"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.2"/> 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="11"/> 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-012"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="8.47"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.2"/> m
Material:	<input type="text" value="Asphalt"/>	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:

Shallow potholes throughout.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-012"/>
Element Name:	<input type="text" value="Barrier/Parapet Walls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="Parapet wall w/ a double railing"/>	Height:	<input type="text" value="0.9"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="8.8"/> 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="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"/>	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-012"/>
Element Name:	<input type="text" value="Railing Systems"/>	Width:	<input type="text"/> 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="9"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	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"/>
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 to mount flexi beam to face of parapet wall. Severe rot throughout.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-012"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="9.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="8.8"/> 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="80"/> 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-012"/>
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:

Medium corrosion.



Element Inspection

Element Group:	Decks	Site Number:	B-012
Element Name:	Soffit - thick slab	Width:	1 m
Element type:		Height:	1 m
Sub-element:	Exterior	Length:	7.62 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	30 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:



Element Inspection

Element Group:	Decks	Site Number:	B-012
Element Name:	Soffit - thick slab	Width:	7.1 m
Element type:		Height:	0 m
Sub-element:	Interior	Length:	7.62 m
Material:	Cast-in-place Concrete	Count:	1
Location:		Total Quantity:	54 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:

Shallow delaminations throughout.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-012"/>
Element Name:	<input type="text" value="Wearing Surface"/>	Width:	<input type="text" value="8.47"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="8.8"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="75"/> sqm
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="Asphalt Repairs"/>	Maint. Time Period:	<input type="text" value="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:

Ponding on deck in previous inspection. Wearing surface does not extend to curbline.



Element Inspection

Element Group:	Embankments & Streams	Site Number:	B-012
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:	
Rehab time period:	
Quantity:	0
Unit Cost:	
Estimated Cost:	

General Comments:

Minor erosion at NE quadrant.



Element Inspection

Element Group:	Embankments & Streams	Site Number:	B-012
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:	<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-012
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.

Element Inspection

Element Group:	<input type="text" value="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="B-012"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.95"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.25"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="8.8"/> 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="21"/> 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-066

Concession 5/6, Lot 19



South Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 5/6. Lot 19	Site Number:	N-066
District:	Concession 5 & 6. Lot 19	Road Name:	Concession Rd 6
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	150
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	8.4 m
Number of Spans:	2	Roadway Width:	7.3 m
Direction of Structure:	East-West	Total Deck Length:	39.1 m
GPS Coordinates (Degrees)		Span (s):	18.5, 18.5 m
REVIEWED	Latitude: 44.01581	Total Deck Area:	328 sq.m
	Longitude: -80.898696	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:	1950	Contract Number When Built:	
Latest Biennial Inspection:	September 6, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	74.9	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Soffit (int): Various hairline cracks with wetness staining.



Description: Approach curbs: Shallow delamination throughout.



Description: Deck top: Minor abrasions throughout.



Description: Curbs: Shallow delaminations throughout.



Description: Shafts/Columns/Pile Bents: Medium to wide cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-066"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="8.4"/> m
Element type:	<input type="text" value="Leas of a riqid frame"/>	Height:	<input type="text" value="3.4"/> 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="57"/> 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-066"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="4.7"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5.4"/> 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="102"/> 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-066"/>
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-066"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="6.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="37.5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="240"/> 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:

Various hairline cracks with wetness staining.



Element Inspection

Element Group:	Decks	Site Number:	N-066
Element Name:	Soffit - thick slab	Width:	1 m
Element type:		Height:	0.9 m
Sub-element:	Exterior	Length:	37.5 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	142 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:	Foundations	Site Number:	N-066
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:	3
Location:	<input type="text"/>	Total Quantity:	3
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="N-066"/>
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"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5.4"/> m
Material:	<input type="text" value="Gravel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="79"/> 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-066"/>
Element Name:	<input type="text" value="Approach slab"/>	Width:	<input type="text" value="8.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5.4"/> 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="91"/>
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-066"/>
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="5.4"/> 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="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:

Shallow delamination throughout.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-066"/>
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="0.76"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="5.4"/> 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="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-066"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.76"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="5.4"/> 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="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"/>
Rehab time period:	<input type="text"/>
Quantity:	<input type="text"/>
Unit Cost:	<input type="text"/>
Estimated Cost:	<input type="text"/>

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-066"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text"/> m
Element type:	<input type="text" value="Post and rail"/>	Height:	<input type="text" value="0.76"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="39.1"/> 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="78"/>
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="N-066"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="8.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="39.1"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="328"/> 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-066"/>
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-066"/>
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="N-066"/>
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="39.1"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="78"/> 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 delaminations throughout.



Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="N-066"/>
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:	<input type="text" value="Piers"/>	Site Number:	<input type="text" value="N-066"/>
Element Name:	<input type="text" value="Shafts/Columns/Pile Bents"/>	Width:	<input type="text" value="8.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="3.6"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0.76"/> 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="66"/> 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:

Medium to wide cracking with leachate staining coming from rehabed location.



OSIM Biennial Inspection Report



Site Number:

D-001

Garafraxa Street Culvert, Durham



East Elevation



Burgess Engineering Inc.

03-Jun-23

Inventory Data

Structure Name:	Garafaxa Street Culvert, Durham	Site Number:	D-001
District:	Garafaxa Street (Hwy 6)	Road Name:	HWY 6
County:	Grey County	Owner:	West Grev
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	4300
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	18.1 m
Number of Spans:	1	Roadway Width:	14.6 m
Direction of Structure:	North-South	Total Deck Length:	17.3 m
GPS Coordinates (Degrees)		Span (s):	16 m
Latitude:	44.177048	Total Deck Area:	313 sq.m
Longitude:	-80.818907	Current Load Limit:	0

Inspection Data

Date of Inspection:	25-May-23
Name of Inspector:	Andrew Burgess, P.Eng. & Joel Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Sunny
Temperature:	13
Special Notes:	Bridge Culvert is in condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 86	Next Inspection:	25-May-25	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1960	Contract Number When Built:	
Latest Biennial Inspection:	July 26, 2020	Latest Specialized Inspection:	
Latest Structure Rating:		Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Soffit (int): Patch work appears dry and sound.



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



Element Inspection

Element Group:	Abutments	Site Number:	D-001
Element Name:	Walls	Width:	18.1 m
Element type:	Leas of a riqid frame	Height:	3.9 m
Sub-element:		Length:	m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	141 sqm
Environment:	Benian	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="D-001"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value=""/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="4"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.7"/> 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="107"/> 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:	D-001
Element Name:	Soffit - thick slab	Width:	10.1 m
Element type:		Height:	
Sub-element:	Interior	Length:	16 m
Material:	Cast-in-place Concrete	Count:	1
Location:		Total Quantity:	162 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:

Patch work appears dry and sound.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="D-001"/>
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="0.5"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="16"/> 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="48"/> 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 cracking with leachate staining throughout.



Element Inspection

Element Group:	Foundations	Site Number:	D-001
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:	Retaining Walls	Site Number:	D-001
Element Name:	Walls	Width:	5 m
Element type:		Height:	1.5 m
Sub-element:		Length:	
Material:		Count:	1
Location:		Total Quantity:	8 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:	Approaches	Site Number:	D-001
Element Name:	Wearing surface	Width:	14.6 m
Element type:		Height:	m
Sub-element:		Length:	10 m
Material:	Asphalt	Count:	2
Location:		Total Quantity:	292 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:	Approaches	Site Number:	D-001
Element Name:	Approach slab	Width:	18.1 m
Element type:		Height:	
Sub-element:		Length:	10 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	362
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data:

Exec: Good: Fair: Poor:

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

General Comments:

No signs of settlement.



Element Inspection

Element Group:	Approaches	Site Number:	D-001
Element Name:	Sidewalk	Width:	1.5 m
Element type:		Height:	0.15 m
Sub-element:		Length:	10 m
Material:	Cast-in-place Concrete	Count:	4
Location:		Total Quantity:	40
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data:

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="D-001"/>
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"/>
Rehab time period:	<input type="text"/>
Quantity:	<input type="text"/>
Unit Cost:	<input type="text"/>
Estimated Cost:	<input type="text"/>

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="D-001"/>
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="0.72"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="10"/> 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="29"/> 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="D-001"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.72"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="10"/> 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="29"/> 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="Approaches"/>	Site Number:	<input type="text" value="D-001"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.72"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10"/> 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="40"/>
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="D-001"/>
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="0.72"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="17.3"/> 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="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="D-001"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.72"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="17.3"/> 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="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"/>
Rehab time period:	<input type="text"/>
Quantity:	<input type="text"/>
Unit Cost:	<input type="text"/>
Estimated Cost:	<input type="text"/>

General Comments:



Element Inspection

Element Group:	Barriers	Site Number:	D-001	
Element Name:	Railing system	Width:		m
Element type:		Height:	0.72	m
Sub-element:		Length:	17.3	m
Material:	Cast-in-place Concrete	Count:	2	
Location:		Total Quantity:	35	
Environment:	Severe	Not inspected:	<input type="checkbox"/>	
Perform. deficiencies:	None	Maintenance Type:		
Maint needs:		Maint. Time Period:		

Condition Data:

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	Barriers	Site Number:	D-001
Element Name:	Hand railings	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	17.3 m
Material:	Steel	Count:	2
Location:	<input type="text"/>	Total Quantity:	35 m
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 (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="D-001"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="18.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="17.3"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="313"/> 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="D-001"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="14.6"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="17.3"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="253"/> 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="Embankments and Streams"/>	Site Number:	<input type="text" value="D-001"/>
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="D-001"/>
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:	Sidewalks/curbs	Site Number:	D-001
Element Name:	Sidewalk	Width:	1.5 m
Element type:		Height:	0.15 m
Sub-element:		Length:	17.3 m
Material:		Count:	2
Location:		Total Quantity:	35
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data:

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="D-001"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.15"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.15"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10"/> 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="20"/> 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-023

Herd Bridge, Concession 1 SDR, Lot 40/41



West Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Herd Bridge, Concession 1 SDR, Lot 40/41	Site Number:	B-023
District:	Concession 1S, Lot 40 & 41	Road Name:	Allen Park Road
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	0
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	9.9 m
Number of Spans:	1	Roadway Width:	6.5 m
Direction of Structure:	North-South	Total Deck Length:	13.5 m
GPS Coordinates (Degrees)		Span (s):	12.5 m
REVIEWED	Latitude: 44.160373	Total Deck Area:	134 sq.m
	Longitude: -80.928306	Current Load Limit:	0

Inspection Data

Date of Inspection:	10-Jun-24
Name of Inspector:	Andrew Burgess, P.Eng. & Joel 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:	1988	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: Wingwalls: Medium to wide cracking with leachate staining.



Description: Barrier/Parapet walls: 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="Approach 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="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="99"/>
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-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="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:

