

Element Inspection

Element Group:	<input type="text" value="Trusses/ Arches"/>	Site Number:	<input type="text" value="N-051"/>
Element Name:	<input type="text" value="Connections"/>	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="50"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="50"/> 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:

Localized severe corrosion at outrigger and truss ends.



2024 Jul 30 02:42 PM

Element Inspection

Element Group:	Trusses/ Arches	Site Number:	N-051
Element Name:	Verticals/diagonals	Width:	0.07 m
Element type:		Height:	0.08 m
Sub-element:		Length:	2.25 m
Material:	Steel	Count:	28
Location:		Total Quantity:	28 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 corrosion. Localized impact in end diagonal (N-W).



OSIM Biennial Inspection Report



Site Number:

N-058

Concession 11/12, Lot 30



South Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 11/12, Lot 30	Site Number:	N-058
District:	Concession 11 & 12, Lot 30	Road Name:	Concession Rd 12
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	1000
Structure Type:	Concrete T-Beam	Overall Struct. Width:	7.2 m
Number of Spans:	1	Roadway Width:	6.3 m
Direction of Structure:	East-West	Total Deck Length:	10.4 m
GPS Coordinates (Degrees)		Span (s):	9.1 m
REVIEWED	Latitude: 44.076447	Total Deck Area:	75 sq.m
	Longitude: -80.857538	Current Load Limit:	12

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 fair to poor condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 70

Next Inspection: 31-Jul-26

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

Historical Data

Year Built:	1940	Contract Number When Built:	
Latest Biennial Inspection:	September 7, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	69.0	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Approach Wearing Surface: Severe ravelling along curline.



Description: Approach Railing System: Severe spall with exposed reinforcing on SE corner.



Description: Wearing Surface: Severe ravelling along curblines.



Description: Approach Curbs: Wide cracking throughout.



Description: Curbs: Concrete disintegration throughout.



Description: Curbs: Wide cracking throughout.



Description: Wingwalls: Moderate spalling throughout.



Description: Wingwalls: Severe spalling with exposed reinforcing on south-east quadrant.



Description: Soffit (ext): Severe spalling with exposed reinforcing.



Description: Soffit (int): Severe delamination with exposed reinforcing.



Description: Abutment Walls: Moderate spalling.



Description: Abutment Walls: Severe scouring and disintegration.



Description: Girders: Severe delamination with exposed reinforcing throughout.



Description: Girders: Delamination at various t-beam ends.



Description: Girders: Severe spall with exposed reinforcing throughout.



Description: Girders: General.



Element Inspection

Element Group:	Approaches	Site Number:	N-058
Element Name:	Wearing surface	Width:	6.3 m
Element type:		Height:	0 m
Sub-element:		Length:	5 m
Material:	Asphalt	Count:	2
Location:		Total Quantity:	63 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Severe ravelling along curline.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-058"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="6.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="63"/> 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-058
Element Name:	Railing systems	Width:	0 m
Element type:		Height:	0 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:

Severe spall with exposed reinforcing on south-east corner.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-058"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10.4"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="66"/> 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 ravelling along curblines.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-058"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="6.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10.4"/> 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="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" 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-058"/>
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:

Steep embankments recommend approach protection.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-058"/>
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="0.15"/> 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"/>	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:

Wide cracking throughout.



Element Inspection

Element Group:	<input type="text" value="Accessories"/>	Site Number:	<input type="text" value="N-058"/>
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-058"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.38"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10.4"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="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" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Concrete disintegration throughout. Wide cracking throughout.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-058"/>
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="10.4"/> 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="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" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	Abutments	Site Number:	N-058
Element Name:	Wingwalls	Width:	4 m
Element type:		Height:	2.5 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	4
Location:		Total Quantity:	20 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 spalling throughout. Severe spalling with exposed reinforcing on south-east quadrant.



Element Inspection

Element Group:	Decks	Site Number:	N-058
Element Name:	Soffit - thick slab	Width:	0.2 m
Element type:		Height:	0.5 m
Sub-element:	Exterior	Length:	9.1 m
Material:		Count:	2
Location:		Total Quantity:	13 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Severe delamination with exposed reinforcing throughout. Severe spalling with exposed reinforcing.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-058"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="6.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="9.1"/> 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="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" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Severe delamination with exposed reinforcing.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-058"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="7.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.7"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="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:

Moderate spalling. Severe scouring and disintegration.



2024 Jul 31 11:37 AM

Element Inspection

Element Group:	Foundations	Site Number:	N-058
Element Name:	Foundation (below ground level)	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:		Count:	2
Location:		Total Quantity:	2 each
Environment:		Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:

Element Inspection

Element Group:	<input type="text" value="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="N-058"/>
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="Embankments & Streams"/>	Site Number:	<input type="text" value="N-058"/>
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:	Beams/Main Longitudinal Elements	Site Number:	N-058
Element Name:	Girders (concrete)	Width:	0.43 m
Element type:		Height:	0.46 m
Sub-element:		Length:	9.3 m
Material:	Cast-in-place Concrete	Count:	5
Location:		Total Quantity:	63 sqm
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Severe delamination with exposed reinforcing throughout. Delamination at various t-beam ends. Severe spall with exposed reinforcing throughout.



OSIM Biennial Inspection Report



Site Number:

B-016

Concession 5, Sills Bridge



West Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 5, Sils Bridge	Site Number:	B-016
District:		Road Name:	Mulock Road
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	400
Structure Type:	Concrete Deck w/ Pre-stressed Beams	Overall Struct. Width:	7.9 m
Number of Spans:	1	Roadway Width:	7.32 m
Direction of Structure:	North-South	Total Deck Length:	21.65 m
GPS Coordinates (Degrees)		Span (s):	21.34 m
General	Latitude: 44.209045	Total Deck Area:	171 sq.m
	Longitude: -80.916840	Current Load Limit:	0

Inspection Data

Date of Inspection:	10-Jun-24
Name of Inspector:	A. Burgess P.Eng. & J. Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Cloudy
Temperature:	10
Special Notes:	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:	1974	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: Recommend to mount flexi beam on face of barrier.



Description: Approach Curbs: Light vertical cracks throughout.



Description: Approach Wearing Surface: Joint sealing.



Description: Railing Systems: Minor impact damage.



Description: Girders: General



Description: Wearing Surface: Light map cracking throughout.



Description: Wearing Surface: Light to medium transverse cracking along joints.



Description: Embankments: Moderate erosion on SW quadrant.



Description: Curbs: Light vertical cracks throughout.



Element Inspection

Element Group:	Barriers	Site Number:	B-016
Element Name:	Railing systems	Width:	0 m
Element type:	Flexi beam with timber posts	Height:	0.7 m
Sub-element:		Length:	15 m
Material:	Steel	Count:	4
Location:	Approaches	Total Quantity:	60 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:

Recommend to mount flexi beam on face of barrier.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-016"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="7.9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="3.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="52"/> 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-016"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="3.7"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.2"/> 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="46"/> 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-016"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="8"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="8"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	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-016"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="7.32"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.2"/> 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="91"/> 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-016"/>
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="0.175"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.2"/> 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="19"/> 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 vertical cracks throughout.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-016"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="7.32"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.2"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="91"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Joint sealing have been.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-016"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text" value="0.25"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.8"/> 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="22"/> 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-016"/>
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="0.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="21.65"/> m
Material:	<input type="text" value="Aluminum"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="43"/> 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:

Minor impact damage.



Element Inspection

Element Group:	<input type="text" value="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="B-016"/>
Element Name:	<input type="text" value="Girders (concrete)"/>	Width:	<input type="text" value="0.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.15"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="21.65"/> 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="303"/> 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="B-016"/>
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="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:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-016"/>
Element Name:	<input type="text" value="Deck top (with 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"/>	Length:	<input type="text" value="21.65"/> 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="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"/>	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-016"/>
Element Name:	<input type="text" value="Drainage System"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="8"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="8"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-016"/>
Element Name:	<input type="text" value="Soffit - thin slab"/>	Width:	<input type="text" value="0.25"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.15"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="21.65"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="17"/> sqm
Environment:	<input type="text" value="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-016"/>
Element Name:	<input type="text" value="Soffit - thin slab"/>	Width:	<input type="text" value="7.4"/> 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="21.65"/> 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="160"/> 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-016"/>
Element Name:	<input type="text" value="Wearing Surface"/>	Width:	<input type="text" value="7.32"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="21.65"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="158"/> 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 map cracking throughout. Light to medium transverse cracking along joints.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-016"/>
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="Benian"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text" value="Routine"/>
Maint needs:	<input type="text" value="Erosion control"/>	Maint. Time Period:	<input type="text" value="2 Year"/>

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:

Moderate erosion on SW quadrant.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-016"/>
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-016"/>
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="Joints"/>	Site Number:	<input type="text" value="B-016"/>
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="7.32"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="15"/> 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="B-016"/>
Element Name:	<input type="text" value="Concrete end dams"/>	Width:	<input type="text" value="7.32"/> 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="4"/> 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="B-016"/>
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="7.32"/> 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.



Element Inspection

Element Group:	<input type="text" value="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="B-016"/>
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="0.175"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="21.65"/> 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="34"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

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

General Comments:

Light vertical cracks throughout.



Element Inspection

Element Group:	Abutments	Site Number:	B-016
Element Name:	Bearings (elastomeric)	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:	Elastomeric	Count:	8
Location:		Total Quantity:	8 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:

Limited inspection of bearings due to abutment elevation.



OSIM Biennial Inspection Report



Site Number:

B-001

Concession 12 & 13 NDR, Lot 3 Bridge



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 12 & 13 NDR. Lot 3 Bridge	Site Number:	B-001
District:		Road Name:	Concession 12
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	150
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	7.8 m
Number of Spans:	1	Roadway Width:	6.9 m
Direction of Structure:	East-West	Total Deck Length:	8.9 m
GPS Coordinates (Degrees)		Span (s):	7.6 m
General	Latitude: 44.260585	Total Deck Area:	69 sq.m
	Longitude: -81.054391	Current Load Limit:	0

Inspection Data

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

Overall Inspection Summary

BCI: **67**

Next Inspection: 13-Jun-26

Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:	Replace		
Rehabilitation Timing:	6 to 10 years		
Total Rehabilitation Budget Costings:	\$552,000.00	Engineering Fee:	\$66,240

Historical Data

Year Built:	1935	Contract Number When Built:	
Latest Biennial Inspection:	March 22, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	67	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Abutment walls: Light to medium vertical crack midspan on west abutment.



Description: Abutment walls: Wide vertical crack extending entire height of abutment at SE & SW corner (



Description: Abutment Walls: Patched areas.



Description: Wingwalls: Light to medium vertical cracks throughout with leachate staining.



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



Description: Approach Curbs: Light to medium map cracking at NE quadrant.



Description: Approach Curbs: Light to medium map cracking at NE quadrant.



Description: Approach Curbs: Moderate disintegration on outside of SW approach.



Description: Approach Wearing Surface: Medium ravelling at centreline.



Description: Approach Wearing Surface: Moderate pothole.



Description: Railing systems: Severe concrete disintegration with exposed reinforcing.



Description: Railing systems: Complete section loss at NE corner.



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



Description: Soffit (ext): Severe spall on south side.



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



Description: Soffit (int): Medium longitudinal cracks propogating from spalls.



Description: Wearing Surface: Medium ravelling at centreline.



Description: Wearing Surface: Light to medium longitudinal cracking.



Description: Curbs: Severe spalling and disintegration on south curb.



Element Inspection

Element Group:	Abutments	Site Number:	B-001
Element Name:	Abutment walls	Width:	7.8 m
Element type:		Height:	3 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	47 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:

Light to medium vertical crack midspan on west abutment. Wide vertical crack extending entire height of abutment at SE & SW corner (exterior). Patched areas.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-001"/>
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"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="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="24"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text" value="Routine"/>
Maint needs:	<input type="text" value="Bridge cleaning"/>	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:

Light to medium vertical cracks throughout with leachate staining. Medium to wide horizontal cracking throughout with leachate staining. Recommend to remove vegetation.



Element Inspection

Element Group:	Accessories (Attachments and Signs)	Site Number:	B-001
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-001"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="6.9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="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="55"/> 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:	Approaches	Site Number:	B-001
Element Name:	Curbs	Width:	0.45 m
Element type:		Height:	0.25 m
Sub-element:		Length:	4 m
Material:	Cast-in-place Concrete	Count:	4
Location:		Total Quantity:	11 m
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	Routine
Maint needs:	Bridge cleaning	Maint. Time Period:	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" value="0"/>		

General Comments:

Light to medium map cracking at NE quadrant. Recommend removing vegetation. Moderate disintegration on outside of SW approach.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-001"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="4"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="55"/> 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:

Medium ravelling at centreline. Moderate pothole.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-001"/>
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="1.06"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="16.9"/> 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="34"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text" value="Barrier/railing system repair"/>	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:

Severe concrete disintegration with exposed reinforcing. Complete section loss at NE corner.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-001"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="7.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="8.9"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="69"/> 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-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"/>	Maintenance Type:	<input type="text" value="Structural"/>
Maint needs:	<input type="text" value="Install/extend drain pipes"/>	Maint. Time Period:	<input type="text" value="2 Year"/>

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:

Recommend extending to drains.



Element Inspection

Element Group:	Decks	Site Number:	B-001
Element Name:	Soffit - thick slab	Width:	1 m
Element type:		Height:	0.4 m
Sub-element:	Exterior	Length:	7.6 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	21 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Light to medium horizontal cracks with leachate staining. Severe spall on south side.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-001"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="5.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="7.6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="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:

Light spalling with exposed reinforcing throughout. Medium longitudinal cracks propogating from spalls and shallow delamination at midspan.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-001"/>
Element Name:	<input type="text" value="Wearing Surface"/>	Width:	<input type="text" value="6.9"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="8.9"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="61"/> 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:

Medium ravelling at centreline. Light to medium longitudinal cracking.



Element Inspection

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

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	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-001"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text" 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:	Foundations	Site Number:	B-001
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-001"/>
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="0.25"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="8.9"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text" value="On deck"/>	Total Quantity:	<input type="text" value="12"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

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

General Comments:

Severe spalling and disintegration on south curb.



Element Inspection

Element Group:	<input type="text" value="Bridge (overall)"/>	Site Number:	<input type="text" value="B-001"/>
Element Name:	<input type="text" value="All Elements"/>	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="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> sqm
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text" value="Replace with Bridge (concrete)"/>	Unit Cost:	<input type="text" value="\$8000 / sq.m"/>
Rehab time period:	<input type="text" value="6 - 10 Years"/>	Estimated Cost:	<input type="text" value="\$552,000"/>
Quantity:	<input type="text" value="69"/> sq.m		

General Comments:

Concrete rigid frame has advanced deterioration, recommend consider complete replacement.

OSIM Biennial Inspection Report



Site Number:

N-059

Concession 11/12, Lot 30



South Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 11/12, Lot 30	Site Number:	N-059
District:	Concession 11 & 12, Lot 30	Road Name:	Concession Rd 12
County:	Grey County	Owner:	West Grey
Township:		Skew:	20
Bridge or Culvert:	Bridge	AADT:	1000
Structure Type:	Concrete T-Beam	Overall Struct. Width:	8 m
Number of Spans:	1	Roadway Width:	6.1 m
Direction of Structure:	East-West	Total Deck Length:	8.5 m
GPS Coordinates (Degrees)		Span (s):	7.3 m
REVIEWED	Latitude: 44.076698	Total Deck Area:	68 sq.m
	Longitude: -80.855163	Current Load Limit:	12

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 fair to poor condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 71

Next Inspection: 31-Jul-26

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

Historical Data

Year Built:	1940	Contract Number When Built:	
Latest Biennial Inspection:	September 15, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	71.1	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Wingwalls: Light spalling with disintegration.



Description: Soffit: Severe spalling with exposed reinforcing.



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



Description: Girders: Severe spalling with exposed reinforcing throughout.



Description: Approach Wearing Surface: Moderate ravelling throughout.



Description: Approach Curbs: Shallow popouts throughout and light spalling.



Description: Approach Railing System: Severe spalling and disintegration at base of posts.



Description: Approach Railing System: Severe impact damage.



Description: Railing System: Severe spalling and disintegration of bases and railing.



Description: Railing System: Severe impact damage.



Description: Wearing Surface: Moderate ravelling along curbline and centreline.



Description: Curbs: Moderate spalling and disintegration throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-059"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.38"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="22"/> sqm
Environment:	<input type="text" value="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-059"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3.05"/> 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:

Light spalling with disintegration.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-059"/>
Element Name:	<input type="text" value="Soffit - thin 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"/>	Length:	<input type="text" value="8.5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="68"/> 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 with exposed reinforcing. Severe spalling and disintegration with exposed reinforcing.



Element Inspection

Element Group:	Foundations	Site Number:	N-059
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:	<input type="text" value="Beams/MLE's"/>	Site Number:	<input type="text" value="N-059"/>
Element Name:	<input type="text" value="Girders (concrete)"/>	Width:	<input type="text" value="0.41"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.48"/> 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="5"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="58"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" 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 with exposed reinforcing throughout.



Element Inspection

Element Group:	<input type="text" value="Beams/MLE's"/>	Site Number:	<input type="text" value="N-059"/>
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="8"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="8"/> 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="Approaches"/>	Site Number:	<input type="text" value="N-059"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.05"/> 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:

Moderate ravelling throughout.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-059"/>
Element Name:	<input type="text" value="Approach slab"/>	Width:	<input type="text" value="8"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.05"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="97"/>
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data:

Exec: Good: Fair: Poor:

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

General Comments:

No signs of settlement.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-059"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.15"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.05"/> 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="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:

Shallow popouts throughout and light spalling.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-059"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.96"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.05"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
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="Load carrying capacity"/>	Maintenance Type:	<input type="text" value="Routine"/>
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"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text"/>		

General Comments:

Severe spalling and disintegration at base of posts. Severe impact damage.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-059"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.96"/> 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="17"/>
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="Load carrying capacity"/>	Maintenance Type:	<input type="text" value="Structural"/>
Maint needs:	<input type="text" value="Barrier/railing system repair"/>	Maint. Time Period:	<input type="text" value="1 Year"/>

Condition Data:

Exec: Good: Fair: Poor:

Rehab Needs:	<input 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 of bases and railing. Severe impact damage.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-059"/>
Element Name:	<input type="text" value="Deck top (with thin slab)"/>	Width:	<input type="text" value="8"/> 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="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="68"/> 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-059"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.1"/> 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="Asphalt"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="52"/> 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:

Moderate ravelling along curblines and centreline.



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-059"/>
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-059"/>
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-059"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.15"/> 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="17"/> 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:

Moderate spalling and disintegration throughout.



Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="N-059"/>
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-008

Concession 12, Lot 32 & 13, 3W Bridge



West Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 12. Lot 32 & 13. 3W Bridge	Site Number:	B-008
District:		Road Name:	Baseline
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	100
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	6.74 m
Number of Spans:	1	Roadway Width:	6.1 m
Direction of Structure:	North-South	Total Deck Length:	9 m
GPS Coordinates (Degrees)		Span (s):	8 m
General	Latitude: 44.278202	Total Deck Area:	61 sq.m
	Longitude: -80.900126	Current Load Limit:	0

Inspection Data

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

Overall Inspection Summary

BCI: 64	Next Inspection:	13-Jun-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:	Replace		
Rehabilitation Timing:	6 to 10 years		
Total Rehabilitation Budget Costings:	\$508,000.00	Engineering Fee:	\$58,560

Historical Data

Year Built:		Contract Number When Built:	
Latest Biennial Inspection:	March 27, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	67	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

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



Description: Wingwalls: Medium vertical cracking with leachate staining.



Description: Approach Curbs: Medium vertical cracking throughout.



Description: Railing Systems: Severe spalling with exposed reinforcing.



Description: Railing Systems: Medium to wide horizontal cracking.



2024 Jun 13 12:38 PM

Description: Railing Systems: Localized area of 100% section loss.



2024 Jun 13 12:38 PM

Description: Railing Systems: Severe impact damage NW corner.



Description: Soffit (ext): Medium longitudinal cracking with leachate staining.



Description: Soffit (ext): Shallow delaminations with light map cracking and leachate staining.



Description: Soffit (ext): Medium to wide map cracking with leachate staining and stalactite.



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



Description: Soffit (int): Medium spalling with exposed reinforcing.



Description: Soffit (int): Severe delamination with exposed reinforcing.



Description: Wearing Surface: Severe potholes throughout.



Description: Wearing Surface: Severe alligator cracking throughout.



Description: Embankments: Moderate erosion beginning to encroach onto road way.



Description: Curbs: Shallow delamination with medium map cracking and leachate staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-008"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="6.74"/> 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="19"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Medium vertical cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-008"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.4"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.5"/> 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="7"/> 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 vertical cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Accessories (Attachments and Signs)"/>	Site Number:	<input type="text" value="B-008"/>
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-008"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="6.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="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="72"/> 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-008"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.32"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.5"/> 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="6"/> 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:

Medium vertical cracking throughout.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-008"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.1"/> m
Material:	<input type="text" value="Gravel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="72"/> 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-008"/>
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="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="18"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="Load carrying capacity"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text" value="Barrier Railing System (low volume)"/>	Unit Cost:	<input type="text" value="\$500 / m"/>
Rehab time period:	<input type="text" value="1 - 5 Years"/>	Estimated Cost:	<input type="text" value="\$20,000"/>
Quantity:	<input type="text" value="40"/> m		

General Comments:

Severe spalling with exposed reinforcing. Medium to wide horizontal cracking. Localized area of 100% section loss. Severe impact damage NW corner.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-008"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="6.74"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="9"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="61"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	B-008
Element Name:	Soffit - thick slab	Width:	1 m
Element type:		Height:	0.3 m
Sub-element:	Exterior	Length:	8 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	21 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 longitudinal cracking with leachate staining. Shallow delaminations with light map cracking and leachate staining. Medium to wide map cracking with leachate staining and stalactite.



Element Inspection

Element Group: <input type="text" value="Decks"/> Element Name: <input type="text" value="Soffit - thick slab"/> Element type: <input type="text"/> Sub-element: <input type="text" value="Interior"/> Material: <input type="text" value="Cast-in-place Concrete"/> Location: <input type="text"/> Environment: <input type="text" value="Benign"/> Perform. deficiencies: <input type="text"/> Maint needs: <input type="text"/>	Site Number: <input type="text" value="B-008"/> Width: <input type="text" value="4.74"/> m Height: <input type="text" value="0"/> m Length: <input type="text" value="8"/> m Count: <input type="text" value="1"/> Total Quantity: <input type="text" value="38"/> sqm Not inspected: <input type="checkbox"/> Maintenance Type: <input type="text"/> Maint. Time Period: <input type="text"/>
---	---

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

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



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-008"/>
Element Name:	<input type="text" value="Wearing Surface"/>	Width:	<input type="text" value="6.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="9"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="55"/> 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:

Severe potholes throughout. Severe alligator cracking throughout.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-008"/>
Element Name:	<input type="text" value="Embankments"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text" value="Routine"/>
Maint needs:	<input type="text" value="Erosion control"/>	Maint. Time Period:	<input type="text" value="1 Year"/>

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:

Moderate erosion beginning to encroach onto road way on north ends.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-008"/>
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-008"/>
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-008"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.32"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="9"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text" value="On Deck"/>	Total Quantity:	<input type="text" value="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:

Shallow delamination with medium map cracking and leachate staining.



Element Inspection

Element Group:	<input type="text" value="Bridge (overall)"/>	Site Number:	<input type="text" value="B-008"/>
Element Name:	<input type="text" value="All Elements"/>	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="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> sqm
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text" value="Replace with Bridge (concrete)"/>	Unit Cost:	<input type="text" value="\$8000 / sq.m"/>
Rehab time period:	<input type="text" value="6 - 10 Years"/>	Estimated Cost:	<input type="text" value="\$488,000"/>
Quantity:	<input type="text" value="61"/> sq.m		

General Comments:

Concrete rigid frame has advanced deterioration, recommend consider complete replacement.

OSIM Biennial Inspection Report



Site Number:

N-065

Riest Bridge, Concession 5/6, Lot 9



South Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Riest Bridge, Concession 5/6, Lot 9	Site Number:	N-065
District:	Concession 5 & 6, Lot 9	Road Name:	Concession Rd 6
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:	8.5 m
Number of Spans:	1	Roadway Width:	7.3 m
Direction of Structure:	East-West	Total Deck Length:	26.7 m
GPS Coordinates (Degrees)		Span (s):	25.9 m
REVIEWED	Latitude: 44.010209	Total Deck Area:	227 sq.m
	Longitude: -80.9468	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:	74.5	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Approach Wearing surface: Moderate ravelling along curbline.



Description: Approach Wearing surface: Minor potholes throughout.



Description: Approach Wearing surface: Severe alligator cracking along joints.



Description: Curbs: Medium to wide cracking with wetness staining throughout (1/2).



Description: Curbs: Medium to wide cracking with wetness staining throughout (2/2).



Description: Embankments: Moderate erosion at east embankments.



Description: Wearing surface: Minor ravelling along curbline.



Description: Wearing surface: Minor potholing throughout.



Description: Railing systems: Minor impact damage.



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



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



Description: Soffit (ext): Light cracking with leachate staining throughout (1/2).



Description: Soffit (ext): Light cracking with leachate staining throughout (2/2).



Description: Soffit (ext): Moderate crushing at south east quadrant possibly suggesting movement in brid



Element Inspection

Element Group:	Approaches	Site Number:	N-065
Element Name:	Wearing surface	Width:	7.3 m
Element type:		Height:	0 m
Sub-element:		Length:	6 m
Material:	Asphalt	Count:	2
Location:		Total Quantity:	88 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	Structural
Maint needs:	Asphalt Repairs	Maint. Time Period:	2 Year

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 ravelling along curblines. Minor potholes throughout. Severe alligator cracking along joints.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-065"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="7.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6"/> 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"/> 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="Approaches"/>	Site Number:	<input type="text" value="N-065"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.1"/> 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="24"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text" value="Routine"/>
Maint needs:	<input type="text" value="Bridge cleaning"/>	Maint. Time Period:	<input type="text" value="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" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Recommend removing vegetation from curbline.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-065"/>
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="0.5"/> m
Sub-element:	<input type="text" value="Exterior"/>	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="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:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-065"/>
Element Name:	<input type="text" value="Deck top (with thin 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="26.7"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="211"/> 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-065"/>
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="26.7"/> 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="53"/> 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:

Medium to wide cracking with wetness staining throughout. Recommend removing vegetation from curbline.



Element Inspection

Element Group:	<input type="text" value="Accessories"/>	Site Number:	<input type="text" value="N-065"/>
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="Embankments & Streams"/>	Site Number:	<input type="text" value="N-065"/>
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:

Moderate erosion at east embankments.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-065"/>
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="0.5"/> m
Sub-element:	<input type="text" value="Interior"/>	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="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" 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-065"/>
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="26.7"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="195"/> 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:

Minor ravelling along curblin. Minor potholing throughout. Recommend extending wearing surface to curblin.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="N-065"/>
Element Name:	<input type="text" value="Railing systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="Three Rail"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="26.7"/> m
Material:	<input type="text" value="Aluminum"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="53"/> 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.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-065"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="3.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="5.5"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="70"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Light to medium map cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="N-065"/>
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-065"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="7.7"/> 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="26.7"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="206"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-065"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="8.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.8"/> 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="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="31"/> 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:

Medium to wide vertical crack with wetness staining.



Element Inspection

Element Group:	Beams/Main Longitudinal Elements	Site Number:	N-065
Element Name:	Girders (concrete)	Width:	0.65 m
Element type:		Height:	1.4 m
Sub-element:		Length:	26.7 m
Material:	Pre-cast Concrete	Count:	4
Location:		Total Quantity:	509 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="Decks"/> Element Name: <input type="text" value="Soffit - thick slab"/> Element type: <input type="text"/> Sub-element: <input type="text" value="Exterior"/> Material: <input type="text"/> Location: <input type="text"/> Environment: <input type="text" value="Moderate"/> Perform. deficiencies: <input type="text"/> Maint needs: <input type="text"/>	Site Number: <input type="text" value="N-065"/> Width: <input type="text" value="0.4"/> m Height: <input type="text" value="0.3"/> m Length: <input type="text" value="26.7"/> m Count: <input type="text" value="2"/> Total Quantity: <input type="text" value="37"/> sqm Not inspected: <input type="checkbox"/> Maintenance Type: <input type="text"/> Maint. Time Period: <input type="text"/>
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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"/>
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General Comments:

Light cracking with leachate staining throughout, leachate staining at construction joint. Moderate crushing at south east quadrant possibly suggesting movement in bridge.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-065"/>
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="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="N-065"/>
Element Name:	<input type="text" value="Diaphragms"/>	Width:	<input type="text" value="0.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="12"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="12"/> 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="Abutments"/>	Site Number:	<input type="text" value="N-065"/>
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:



Ford's Bridge, Concession 15/16, Lot 7



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Ford's Bridge, Concession 15/16, Lot 7	Site Number:	N-054
District:	Concession 16, Lot 7	Road Name:	Concession Rd 16
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	0
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	7.1 m
Number of Spans:	3	Roadway Width:	6.1 m
Direction of Structure:	East-West	Total Deck Length:	50.6 m
GPS Coordinates (Degrees)		Span (s):	48.8 m
REVIEWED	Latitude: 44.098646	Total Deck Area:	359 sq.m
	Longitude: -80.983758	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:	Culvert is in good to fair condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 73	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:	1940	Contract Number When Built:	
Latest Biennial Inspection:	September 14, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	72.8	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

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



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



Description: Abutment Walls: Medium to wide vertical cracking with wetness staining.



Description: Wingwalls: Light spalling with exposed reinforcing.



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



Description: Soffit (int): Wide longitudinal cracks with leachate staining.



Description: Soffit (int): Light delamination.



Description: Soffit (ext): Wide map cracking with leachate staining.



Description: Approach Wearing Surface: Minor potholing throughout.



Description: Approach Wearing Surface: Wide transverse cracks.



Description: Approach Curbs: Light delamination throughout.



Description: Wearing Surface: Light ravelling along centreline.



Description: Curbs: Light delamination throughout.



Element Inspection

Element Group:	<input type="text" value="Piers"/>	Site Number:	<input type="text" value="N-054"/>
Element Name:	<input type="text" value="Shafts/Columns/Pile Bents"/>	Width:	<input type="text" value="7.1"/> 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="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="61"/> 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:

Medium to wide cracking with leachate staining throughout. Light spalling throughout.



Element Inspection

Element Group:	Abutments	Site Number:	N-054
Element Name:	Walls	Width:	7.1 m
Element type:	Legs of a rigid frame	Height:	4.3 m
Sub-element:		Length:	
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	61 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:

Medium to wide vertical cracking with wetness staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-054"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.15"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="7.5"/> 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="64"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Light spalling with exposed reinforcing. Light to medium cracking with leachate staining.



Element Inspection

Element Group:	Decks	Site Number:	N-054
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:	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: 0 Good: 4 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:

Minor corrosion throughout.



Element Inspection

Element Group:	Decks	Site Number:	N-054
Element Name:	Soffit - thick slab	Width:	2.8 m
Element type:		Height:	
Sub-element:	Interior	Length:	48.8 m
Material:	Cast-in-place Concrete	Count:	3
Location:		Total Quantity:	410 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:

Wide longitudinal cracks with leachate staining. Light delamination.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-054"/>
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="48.8"/> 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="137"/> 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 map cracking with leachate staining.



Element Inspection

Element Group:	Foundations	Site Number:	N-054
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:	4
Location:	<input type="text"/>	Total Quantity:	4
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: 4 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-054"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="7"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" 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:

Minor potholing throughout. Wide transverse cracks.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-054"/>
Element Name:	<input type="text" value="Approach slab"/>	Width:	<input type="text" value="7.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="7"/> m
Material:	<input type="text" value="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="N-054"/>
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="0.25"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="7"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="28"/> 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 delamination throughout.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-054"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text" value="0.24"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.65"/> m
Sub-element:	<input type="text" value="Interior"/>	Length:	<input type="text" value="7"/> 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="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"/>
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="N-054"/>
Element Name:	<input type="text" value="Barrier/Parapet walls"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.65"/> m
Sub-element:	<input type="text" value="Exterior"/>	Length:	<input type="text" value="7"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text" value="End walls"/>	Total Quantity:	<input type="text" value="18"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-054"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.65"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="7"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="28"/>
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="N-054"/>
Element Name:	<input type="text" value="Railing system"/>	Width:	<input type="text"/> m
Element type:	<input type="text" value="Flexi beam with steel posts"/>	Height:	<input type="text" value="0.65"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="50.6"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="101"/>
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-054"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="7.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="50.6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="359"/> 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:	N-054
Element Name:	Wearing surface	Width:	6.1 m
Element type:		Height:	
Sub-element:		Length:	50.6 m
Material:	Stone Chip	Count:	
Location:		Total Quantity:	309 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 ravelling along centreline. Recommend extending wearing surface to curblines.



Element Inspection

Element Group:	<input type="text" value="Embankments and Streams"/>	Site Number:	<input type="text" value="N-054"/>
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-054"/>
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:	N-054
Element Name:	Curbs	Width:	0.5 m
Element type:		Height:	0.2 m
Sub-element:		Length:	50.6 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	101 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:

Light delamination throughout.



Element Inspection

Element Group:	<input type="text" value="Signs"/>	Site Number:	<input type="text" value="N-054"/>
Element Name:	<input type="text" value="Signs"/>	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="8"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="8"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="None"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:



Concession 2 & 3N, Lot 43, McQuarrie Bridge



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 2 & 3N. Lot 43. McQuarrie Bri	Site Number:	G-046
District:		Road Name:	NorthLine
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	100
Structure Type:	Pony Truss w/ Concrete Deck	Overall Struct. Width:	6 m
Number of Spans:	1	Roadway Width:	5 m
Direction of Structure:	East-West	Total Deck Length:	24.1 m
GPS Coordinates (Degrees)		Span (s):	21.9 m
General	Latitude: 44.218376	Total Deck Area:	145 sq.m
	Longitude: -80.664583	Current Load Limit:	

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 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:	1928	Contract Number When Built:	
Latest Biennial Inspection:	May 25, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	73	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Concrete end dams: West side paved over.



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



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



Description: Soffit: Medium to severe delaminations throughout.



Description: Deck top: Medium transverse crack.



Description: Curbs: Severe spall with exposed reinforcing.



Description: Bottom chord: Severe corrosion with perforation NW corner.



Description: Railing systems: Moderate impact damage throughout.



Description: Railing systems: Severe impact damage at NW corner.



Description: Abutment walls: Light to medium vertical cracking throughout.



Description: Abutment walls: Localized spalling at SW corner.



Description: Ballast walls: Moderate spall on east side.



Element Inspection

Element Group:	Accessories (Attachments and Signs)	Site Number:	G-046
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: 0 Good: 4 Fair: 0 Poor: 0

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

General Comments:

Four (4) hazard signs.



Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Concrete end dams"/>	Width:	<input type="text" value="4.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0.3"/> 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="3"/> 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:

West side paved over.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Bearings (plate)"/>	Width:	<input type="text" value="0.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> 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="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:	Abutments	Site Number:	G-046
Element Name:	Wingwalls	Width:	0.9 m
Element type:		Height:	2.5 m
Sub-element:		Length:	6.5 m
Material:	Cast-in-place Concrete	Count:	4
Location:		Total Quantity:	65 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Light to medium vertical cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="4.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.5"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="61"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Railing systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="Flexi beam with timber posts"/>	Height:	<input type="text" value="0.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="19"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="76"/> m
Environment:	<input type="text"/>	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:

Moderate impact damage at NE quadrant.



Element Inspection

Element Group:	Beams/Main Longitudinal Elements	Site Number:	G-046
Element Name:	Floor beams (steel)	Width:	0.12 m
Element type:		Height:	0.46 m
Sub-element:		Length:	6 m
Material:	Steel	Count:	5
Location:		Total Quantity:	38 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Light corrosion throughout.



Element Inspection

Element Group:	<input type="text" value="Coatings"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Structural steel (coating)"/>	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" 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" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light coating breakdown throughout.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Soffit - thin slab"/>	Width:	<input type="text" value="5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.23"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="23.9"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="120"/> 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:

Medium to severe delaminations throughout.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Deck top (with thin slab)"/>	Width:	<input type="text" value="4.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="23.9"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="112"/> 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:

Medium transverse crack.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="G-046"/>
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-046"/>
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:



2024 Jun 11 01:53 PM

Element Inspection

Element Group:	Foundations	Site Number:	G-046
Element Name:	Foundation (below ground level)	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	0
Location:		Total Quantity:	0 each
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (each):

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

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

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="G-046"/>
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="23.6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text" value="Deck"/>	Total Quantity:	<input type="text" value="14"/> 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:

Severe spall with exposed reinforcing.



Element Inspection

Element Group:	<input type="text" value="Trusses/ Arches"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Bottom chord (steel)"/>	Width:	<input type="text" value="0.15"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.13"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="22.2"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="38"/> 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" value="None Recommended"/>
Quantity:	<input type="text" value="0"/>
Unit Cost:	<input type="text"/>
Estimated Cost:	<input type="text"/>

General Comments:

Light corrosion throughout. Severe corrosion with perforation NW corner.



Element Inspection

Element Group:	<input type="text" value="Trusses/ Arches"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Top chords"/>	Width:	<input type="text" value="0.12"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.21"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="22.2"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="40"/> m
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 (m):

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 corrosion throughout.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Railing systems"/>	Width:	<input type="text" value="0.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.15"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="23.6"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="47"/> 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"/>
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:

Moderate impact damage throughout. Severe impact damage at NW corner. Light corrosion throughout.



Element Inspection

Element Group:	Beams/Main Longitudinal Elements	Site Number:	G-046
Element Name:	Stringers (steel)	Width:	0.14 m
Element type:		Height:	0.24 m
Sub-element:		Length:	0 m
Material:	Steel	Count:	30
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:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Light corrosion throughout.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Drainage system"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Seals (open)"/>	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="4.7"/> 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 type="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="Trusses/ Arches"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Connections"/>	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="22"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="22"/> 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 throughout.



Element Inspection

Element Group:	<input type="text" value="Trusses/ Arches"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Verticals/diagonals"/>	Width:	<input type="text" value="0.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.13"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.6"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="20"/>
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 throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="8.5"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.4"/> 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="41"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Light to medium vertical cracking throughout. Localized spalling at SW corner.



Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="G-046"/>
Element Name:	<input type="text" value="Armouring/retaining devices"/>	Width:	<input type="text" value="4.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0.3"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="10"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

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

General Comments:

West side paved over.



Element Inspection

Element Group:	Abutments	Site Number:	G-046
Element Name:	Ballast walls	Width:	8.5 m
Element type:		Height:	0.6 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	10 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:

Limited inspection due to height of abutment. Moderate spall on east side.



OSIM Biennial Inspection Report



Site Number:

B-017

Concession 4 & 5, Lot 29 Bridge



South Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 4 & 5. Lot 29 Bridge	Site Number:	B-017
District:		Road Name:	Concession 4
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	250
Structure Type:	Through Truss w/ Concrete Deck	Overall Struct. Width:	5.9 m
Number of Spans:	1	Roadway Width:	5.3 m
Direction of Structure:	East-West	Total Deck Length:	31.7 m
GPS Coordinates (Degrees)		Span (s):	30.18 m
General	Latitude: 44.209975	Total Deck Area:	187 sq.m
	Longitude: -80.902692	Current Load Limit:	11

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: 74	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:	1920	Contract Number When Built:	
Latest Biennial Inspection:	March 23, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	74	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Bearings: Medium corrosion at both east bearings.



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



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



Description: Railing systems: Missing timber post on SW quadrant.



Description: Railing systems: Severe rotting.



Description: Floor beams: Light corrosion throughout.



Description: Floor beams: Moderate corrosion at ends.



Description: Deck top: Moderate weathering throughout.



Description: Bottom chord: Light to medium corrosion throughout.



Description: Bottom chord: Moderate corrosion at ends (1/2).



Description: Bottom chord: Moderate corrosion at ends (2/2).



Description: Connections: Light to medium corrosion throughout.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-017"/>
Element Name:	<input type="text" value="Approach slabs"/>	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"/>	Length:	<input type="text" value="6.4"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="68"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-017"/>
Element Name:	<input type="text" value="Soffit - thin slab"/>	Width:	<input type="text" value="5.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.15"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="31.5"/> m
Material:	<input type="text" value="Timber"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="167"/> 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:

Wetness throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-017"/>
Element Name:	<input type="text" value="Bearings (plate)"/>	Width:	<input type="text" value="0.6"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:

Medium corrosion at both east bearings.



Element Inspection

Element Group:	Abutments	Site Number:	B-017
Element Name:	Abutment walls	Width:	6.9 m
Element type:		Height:	1.9 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	26 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 vertical cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-017"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.4"/> 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="26"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Light to medium vertical cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-017"/>
Element Name:	<input type="text" value="Wearing surface"/>	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"/>	Length:	<input type="text" value="6.4"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="68"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-017"/>
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="1.15"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="70"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="140"/> 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:

Missing timber post on SW quadrant. Severe rotting.



Element Inspection

Element Group:	Beams/Main Longitudinal Elements	Site Number:	B-017
Element Name:	Floor beams (steel)	Width:	0.16 m
Element type:		Height:	0.5 m
Sub-element:		Length:	31.5 m
Material:	Steel	Count:	8
Location:		Total Quantity:	292 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Light corrosion throughout. Moderate corrosion at ends.



Element Inspection

Element Group:	<input type="text" value="Coatings"/>	Site Number:	<input type="text" value="B-017"/>
Element Name:	<input type="text" value="Structural steel (coating)"/>	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="317"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-017"/>
Element Name:	<input type="text" value="Deck top (with thin slab)"/>	Width:	<input type="text" value="5.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.15"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="31.5"/> m
Material:	<input type="text" value="Timber"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="167"/> 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 weathering throughout.



Element Inspection

Element Group:	Embankments & Streams	Site Number:	B-017
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:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-017"/>
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:

Heavy flow at time of inspection.



Element Inspection

Element Group:	Foundations	Site Number:	B-017
Element Name:	Foundation (below ground level)	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	0
Location:		Total Quantity:	0 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:

No signs of settlement.

Element Inspection

Element Group:	Accessories (Attachments and Signs)	Site Number:	B-017
Element Name:	Signs	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:	Steel	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="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="B-017"/>
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="0.1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="31.5"/> m
Material:	<input type="text" value="Timber"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="16"/> 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:	Trusses/ Arches	Site Number:	B-017
Element Name:	Bottom chord (steel)	Width:	0.25 m
Element type:		Height:	0.11 m
Sub-element:		Length:	29.4 m
Material:	Steel	Count:	2
Location:		Total Quantity:	72 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 to medium corrosion throughout, worse at ends.



Element Inspection

Element Group:	<input type="text" value="Trusses/ Arches"/>	Site Number:	<input type="text" value="B-017"/>
Element Name:	<input type="text" value="Top chords"/>	Width:	<input type="text" value="0.33"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="21"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="72"/> m
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 (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:	<input type="text" value="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="B-017"/>
Element Name:	<input type="text" value="Stringers (steel)"/>	Width:	<input type="text" value="0.125"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.225"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="25"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="25"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Trusses/ Arches"/>	Site Number:	<input type="text" value="B-017"/>
Element Name:	<input type="text" value="Connections"/>	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="24"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="24"/> 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:

Light to medium corrosion throughout.



Element Inspection

Element Group:	Trusses/ Arches	Site Number:	B-017
Element Name:	Verticals/diagonals	Width:	0.2 m
Element type:		Height:	6.2 m
Sub-element:		Length:	0 m
Material:	Steel	Count:	16
Location:		Total Quantity:	40 m
Environment:	Moderate	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 corrosion throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-017"/>
Element Name:	<input type="text" value="Ballast walls"/>	Width:	<input type="text" value="8.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.4"/> 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="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="Barriers"/>	Site Number:	<input type="text" value="B-017"/>
Element Name:	<input type="text" value="Railing systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="31.7"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="63"/> 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-006

Concession 11, Lot 25 & 26 Bridge



West Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 11, Lot 25 & 26 Bridge	Site Number:	B-006
District:		Road Name:	Mulock Road
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	200
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	6.3 m
Number of Spans:	1	Roadway Width:	5.6 m
Direction of Structure:	North-South	Total Deck Length:	10.6 m
GPS Coordinates (Degrees)		Span (s):	9.1 m
General	Latitude: 44.263807	Total Deck Area:	67 sq.m
	Longitude: -80.932651	Current Load Limit:	0

Inspection Data

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

Overall Inspection Summary

BCI: 70

Next Inspection: 13-Jun-26

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

Historical Data

Year Built:	1935	Contract Number When Built:	
Latest Biennial Inspection:	March 23, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	70	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

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



Description: Wingwalls: Possible signs of movement at SW quadrant.



Description: Approach Curbs: Severe spalling with exposed reinforcing at NW quadrant.



Description: Approach Wearing surface: Moderate ravelling throughout.



Description: Approach Wearing surface: Moderate to severe alligator cracking.



Description: Railing systems: Light spalling with exposed reinforcing.



Description: Railing systems: Severe delamination with exposed reinforcing.



Description: Soffit (ext): Medium to severe spalling with exposed reinforcing.



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



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



Description: Wearing Surface: Moderate ravelling along centre line.



Description: Wearing Surface: Moderate potholes.



Element Inspection

Element Group:	Abutments	Site Number:	B-006
Element Name:	Abutment walls	Width:	6.3 m
Element type:		Height:	1.4 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	18 sqm
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Medium to wide vertical cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-006"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.4"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3.5"/> 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="10"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Possible signs of movement at SW quadrant, continue to monitor.



Element Inspection

Element Group:	<input type="text" value="Accessories (Attachments and Signs)"/>	Site Number:	<input type="text" value="B-006"/>
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-006"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="5.6"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.1"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="68"/> 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-006"/>
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="0.3"/> 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="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> 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:

Severe spalling with exposed reinforcing at NW quadrant.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-006"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="5.6"/> m
Element type:	<input type="text"/>	Height:	<input type="text" 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="68"/> 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="1 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:

Moderate ravelling throughout. Moderate to severe alligator cracking.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-006"/>
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="0.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10.6"/> 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="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"/>
Rehab time period:	<input type="text"/>
Quantity:	<input type="text" value="0"/>
Unit Cost:	<input type="text"/>
Estimated Cost:	<input type="text"/>

General Comments:

Light spalling with exposed reinforcing. Severe delamination with exposed reinforcing.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-006"/>
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="21"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text" value="Approaches"/>	Total Quantity:	<input type="text" value="42"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text"/>	Unit Cost:	<input type="text"/>
Rehab time period:	<input type="text"/>	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-006"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="6.3"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10.6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="67"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	B-006
Element Name:	Soffit - thick slab	Width:	1 m
Element type:		Height:	0.3 m
Sub-element:	Exterior	Length:	9.14 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	24 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Medium to severe spalling with exposed reinforcing.



Element Inspection

Element Group:	Decks	Site Number:	B-006
Element Name:	Soffit - thick slab	Width:	4.3 m
Element type:		Height:	0 m
Sub-element:	Interior	Length:	9.14 m
Material:	Cast-in-place Concrete	Count:	1
Location:		Total Quantity:	39 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:		Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Severe spalling with exposed reinforcing. Medium to wide cracking with leachate staining.



Element Inspection

Element Group:	Decks	Site Number:	B-006
Element Name:	Wearing Surface	Width:	5.6 m
Element type:		Height:	0 m
Sub-element:		Length:	10.6 m
Material:	Asphalt	Count:	1
Location:		Total Quantity:	59 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	Structural
Maint needs:	Asphalt Repairs	Maint. Time Period:	1 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:

Moderate ravelling along centre line. Moderate potholes.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-006"/>
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-006"/>
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-006"/>
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-006"/>
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="0.3"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10.6"/> 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="14"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-006"/>
Element Name:	<input type="text" value="Drainage system"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text" value="Structural"/>
Maint needs:	<input type="text" value="Install/extend drain pipes"/>	Maint. Time Period:	<input type="text" value="1 Year"/>

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:

Extend drains to below soffit.



OSIM Biennial Inspection Report



Site Number:

B-011

Concession 1W, Lot 3 & 4 Bridge



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 1W, Lot 3 & 4 Bridge	Site Number:	B-011
District:		Road Name:	Sideroad 3 WGR
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	150
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	6.7 m
Number of Spans:	1	Roadway Width:	6.1 m
Direction of Structure:	East-West	Total Deck Length:	8.5 m
GPS Coordinates (Degrees)		Span (s):	7.6 m
General	Latitude: 44.296136	Total Deck Area:	57 sq.m
	Longitude: -80.852531	Current Load Limit:	0

Inspection Data

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

Overall Inspection Summary

BCI: 68	Next Inspection:	13-Jun-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:	Replace		
Rehabilitation Timing:	6 to 10 years		
Total Rehabilitation Budget Costings:	\$456,000.00	Engineering Fee:	\$54,720

Historical Data

Year Built:	1940	Contract Number When Built:	
Latest Biennial Inspection:	March 27, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	68	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Approach Curbs: Wide horizontal cracking.



Description: Approach Curbs: Severe impact damage on SW quadrant.



Description: Curbs: Medium scaling throughout.



Description: Wingwalls: Medium to wide cracking at construction joints.



Description: Wingwalls: Medium spall on NE quadrant.



Description: Wingwalls: Severe spall on SW quadrant.



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



Description: Railing systems: Severe spalling throughout with areas of 100% section loss.



Description: Drainage System: Local severe impact damage.



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



Description: Soffit (ext): Severe disintegration at construction joints.



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



Description: Soffit (ext): Light spalling with exposed reinforcement.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-011"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.33"/> 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="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:

Wide horizontal cracking. Severe impact damage on SW quadrant.



Element Inspection

Element Group:	<input type="text" value="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="B-011"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.2"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.2"/> 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="10"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

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

General Comments:

Medium scaling throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-011"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="6.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.95"/> 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:



Element Inspection

Element Group:	Abutments	Site Number:	B-011
Element Name:	Wingwalls	Width:	0 m
Element type:		Height:	0.625 m
Sub-element:		Length:	2.33 m
Material:	Cast-in-place Concrete	Count:	4
Location:		Total Quantity:	3 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Medium to wide cracking at construction joints. Medium spall on NE quadrant. Severe spall on SW quadrant. Light to medium map cracking with leachate staining.



Element Inspection

Element Group:	Accessories (Attachments and Signs)	Site Number:	B-011
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-011"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.33"/> m
Material:	<input type="text" value="Gravel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="28"/> 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-011"/>
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="0.85"/> 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="17"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text" value="Structural"/>
Maint needs:	<input type="text" value="Barrier/railing system repair"/>	Maint. Time Period:	<input type="text" value="1 Year"/>

Condition Data (m):

Exec: Good: Fair: Poor:

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

General Comments:

Severe spalling throughout with areas of 100% section loss.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-011"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	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="8.5"/> 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="57"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	B-011
Element Name:	Drainage System	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:		Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:

Moderate to severe corrosion throughout. Local severe impact damage.

Element Inspection

Element Group:	Decks	Site Number:	B-011
Element Name:	Soffit - thick slab	Width:	1 m
Element type:		Height:	0.44 m
Sub-element:	Exterior	Length:	7.6 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	22 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Light to medium map cracking with leachate staining throughout. Severe disintegration at construction joints. Medium to wide longitudinal cracking with leachate staining and stalactite. Light spalling with exposed reinforcement.



Element Inspection

Element Group:	Decks	Site Number:	B-011
Element Name:	Soffit - thick slab	Width:	4.7 m
Element type:		Height:	0 m
Sub-element:	Interior	Length:	7.6 m
Material:	Cast-in-place Concrete	Count:	1
Location:		Total Quantity:	36 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:		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="B-011"/>
Element Name:	<input type="text" value="Wearing Surface"/>	Width:	<input type="text" value="6.1"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="8.5"/> m
Material:	<input type="text" value="Gravel"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="52"/> 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-011"/>
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-011"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	Foundations	Site Number:	B-011
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="Bridge (overall)"/>	Site Number:	<input type="text" value="B-011"/>
Element Name:	<input type="text" value="All Elements"/>	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="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> sqm
Environment:	<input type="text"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

Rehab Needs:	<input type="text" value="Replace with Bridge (concrete)"/>	Unit Cost:	<input type="text" value="\$8000 / sq.m"/>
Rehab time period:	<input type="text" value="6 - 10 Years"/>	Estimated Cost:	<input type="text" value="\$456,000"/>
Quantity:	<input type="text" value="57"/> sq.m		

General Comments:

Concrete rigid frame has advanced deterioration, recommend consider complete replacement.

Concession 5, Sills (Overflow)



East Elevation



Inventory Data

Structure Name:	Concession 5, Sills (Overflow)	Site Number:	B-015
District:		Road Name:	Mullock Road
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	400
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	7.7 m
Number of Spans:	1	Roadway Width:	8.7 m
Direction of Structure:	North-South	Total Deck Length:	10.7 m
GPS Coordinates (Degrees)		Span (s):	9.14 m
General	Latitude: 44.210090	Total Deck Area:	82 sq.m
	Longitude: -80.917089	Current Load Limit:	0

Inspection Data

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

Overall Inspection Summary

BCI: 73	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:	1935	Contract Number When Built:	
Latest Biennial Inspection:	March 23, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	73	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Abutment walls: Medium to wide crack with leachate staining on west corners.



Description: Abutment walls: Light spall north west corner.



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



Description: Wearing surface: Light to medium map cracking.



Description: Soffit (ext): Medium vertical cracks with leachate staining.



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



Description: Wearing surface: Light alligator cracking along centreline.



Description: Wearing surface: Cold patched potholes noted.



Description: Wearing surface: Light to medium map cracking.



Description: Curbs: Light to medium vertical cracking throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-015"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="8.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="49"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Medium to wide crack with leachate staining on west corners. Light spall north west corner.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-015"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="2.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="9.2"/> 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="52"/> 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 map cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Accessories (Attachments and Signs)"/>	Site Number:	<input type="text" value="B-015"/>
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-015"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="7.7"/> 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="94"/> 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-015"/>
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="0.225"/> 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="16"/> 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-015"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="7.7"/> 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="94"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Light to medium map cracking.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-015"/>
Element Name:	<input type="text" value="Hand Railings"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.2"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10.7"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="21"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-015"/>
Element Name:	<input type="text" value="Railing Systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="Flexi beam with timber posts"/>	Height:	<input type="text" value="0.7"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="15"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
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:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-015"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="8.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	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="93"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	Decks	Site Number:	B-015
Element Name:	Drainage System	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:	Steel	Count:	2
Location:		Total Quantity:	2 each
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (each):

Exec: Good: Fair: Poor:

Rehab Needs:		Unit Cost:	
Rehab time period:		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="B-015"/>
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="9.14"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="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:

Medium vertical cracks with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-015"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	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" value="Interior"/>	Length:	<input type="text" value="9.14"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="61"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Medium to wide map cracking with leachate staining and stalactite.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-015"/>
Element Name:	<input type="text" value="Wearing Surface"/>	Width:	<input type="text" value="7.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="10.7"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="1"/>
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 alligator cracking along centreline. Cold patched potholes noted. Light to medium map cracking.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-015"/>
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-015"/>
Element Name:	<input type="text" value="Streams and Waterways"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="1"/> each
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:

Stream dry at time of inspection.



Element Inspection

Element Group:	Foundations	Site Number:	B-015
Element Name:	Foundation (below ground level)	Width:	<input type="text"/> m
Element type:	<input type="text"/>	Height:	<input type="text"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text"/> m
Material:	<input type="text"/>	Count:	<input type="text"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text"/> each
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

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

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

General Comments:

No signs of settlement.

Element Inspection

Element Group:	<input type="text" value="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="B-015"/>
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="0.225"/> m
Sub-element:	<input type="text"/>	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" value="On deck"/>	Total Quantity:	<input type="text" value="15"/> 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.



Hampden Bridge, Concession 17, Lot 20/21



East Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Hampden Bridge, Concession 17, Lot 20/2	Site Number:	N-055
District:	Concession 17, Lot 20 & 21	Road Name:	Side Rd 20
County:	Grey County	Owner:	West Grey
Township:		Skew:	0
Bridge or Culvert:	Bridge	AADT:	150
Structure Type:	Pony Truss w/ Timber Deck	Overall Struct. Width:	6.8 m
Number of Spans:	1	Roadway Width:	5.3 m
Direction of Structure:	North-South	Total Deck Length:	20 m
GPS Coordinates (Degrees)		Span (s):	19.05 m
REVIEWED	Latitude: 44.117392	Total Deck Area:	136 sq.m
	Longitude: -80.917863	Current Load Limit:	10

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 poor condition, showing no signs of structural distress. Very advanced timber deck deterioration with openings, bridge closed.

Overall Inspection Summary

BCI: 63	Next Inspection:	30-Jul-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1930	Contract Number When Built:	
Latest Biennial Inspection:	September 14, 2022	Latest Specialized Inspection:	
Latest Structure Rating:	70.6	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Curbs: Medium to severe rotting throughout.



Description: Deck top: Areas of moderate to severe rot throughout (1/3).



Description: Deck top: Areas of moderate to severe rot throughout (2/3).



Description: Deck top: Areas of moderate to severe rot throughout (3/3).



Description: Deck top: Localized areas of 100% section loss (1/2).



Description: Deck top: Localized areas of 100% section loss (2/2).



Description: Railing systems: Moderate impact damage throughout.



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



Description: Ballast Walls: Medium to wide vertical crack.



Description: Bottom Chord: Medium corrosion at ends.



Description: Top Chords: Severe corrosion with perforations at end.



Description: Top Chords: General.



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



Description: Soffit: Moderate to severe rotting throughout (1/2).



Description: Soffit: Moderate to severe rotting throughout (2/2).



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-055"/>
Element Name:	<input type="text" value="Approach slabs"/>	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"/>	Length:	<input type="text" value="6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="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:



Element Inspection

Element Group:	Decks	Site Number:	N-055
Element Name:	Wearing surface	Width:	5.3 m
Element type:		Height:	0 m
Sub-element:		Length:	20 m
Material:	Asphalt	Count:	0
Location:		Total Quantity:	106 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	None	Maintenance Type:	Structural
Maint needs:	Asphalt Repairs	Maint. Time Period:	2 Year

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:

Removed.

Element Inspection

Element Group:	<input type="text" value="Sidewalks/ curbs"/>	Site Number:	<input type="text" value="N-055"/>
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="20"/> m
Material:	<input type="text" value="Timber"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="40"/> 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:

Medium to severe rotting throughout.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-055"/>
Element Name:	<input type="text" value="Wearing surface"/>	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"/>	Length:	<input type="text" value="6"/> 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" value="None"/>	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" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Wide transverse cracking. Covered by asphalt wearing surface debris, limited inspection.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="N-055"/>
Element Name:	<input type="text" value="Railing systems"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text" value="Flexi beam with steel posts"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
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"/>	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="Decks"/>	Site Number:	<input type="text" value="N-055"/>
Element Name:	<input type="text" value="Deck top (with thin 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"/>	Length:	<input type="text" value="20"/> m
Material:	<input type="text" value="Timber"/>	Count:	<input type="text" value="0"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="106"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text" value="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"/>
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:

Areas of moderate to severe rot throughout. Localized areas of 100% section loss.



Element Inspection

Element Group:	Barriers	Site Number:	N-055
Element Name:	Railing systems	Width:	0 m
Element type:	Flexi beam with steel posts	Height:	0 m
Sub-element:		Length:	20 m
Material:	Steel	Count:	2
Location:		Total Quantity:	40 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:

Moderate impact damage throughout.



Element Inspection

Element Group:	Accessories	Site Number:	N-055
Element Name:	Signs	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:		Count:	4
Location:		Total Quantity:	4 each
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
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-055"/>
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:	Beams/Main Longitudinal Elements	Site Number:	N-055
Element Name:	Verticals/diagonals	Width:	0.2 m
Element type:		Height:	0.1 m
Sub-element:		Length:	2.8 m
Material:	Steel	Count:	12
Location:	Truss diagonals	Total Quantity:	34 m
Environment:	Moderate	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 corrosion throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-055"/>
Element Name:	<input type="text" value="Bearings (plate)"/>	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="Benian"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-055"/>
Element Name:	<input type="text" value="Wingwalls"/>	Width:	<input type="text" value="5.4"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.25"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="27"/> 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 map cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="N-055"/>
Element Name:	<input type="text" value="Ballast walls"/>	Width:	<input type="text" value="6.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0.75"/> 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="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" value="None Recommended"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Limited inspection due to floor beams. Medium to wide vertical crack.



Element Inspection

Element Group:	Beams/Main Longitudinal Elements	Site Number:	N-055
Element Name:	Bottom chord (steel)	Width:	0.4 m
Element type:		Height:	0.15 m
Sub-element:		Length:	20 m
Material:	Steel	Count:	2
Location:		Total Quantity:	40 m
Environment:	Moderate	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:

Medium corrosion at ends.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="N-055"/>
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:	Beams/Main Longitudinal Elements	Site Number:	N-055
Element Name:	Top chords	Width:	0.3 m
Element type:		Height:	0.15 m
Sub-element:		Length:	20.07 m
Material:	Steel	Count:	2
Location:		Total Quantity:	40 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 corrosion throughout. Severe corrosion with perforations at end.



Element Inspection

Element Group:	Beams/Main Longitudinal Elements	Site Number:	N-055
Element Name:	Verticals/diagonals	Width:	0.06 m
Element type:		Height:	0.6 m
Sub-element:		Length:	1.6 m
Material:		Count:	6
Location:	Truss verticals	Total Quantity:	10 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 corrosion throughout.



Element Inspection

Element Group:	<input type="text" value="Beams/Main Longitudinal Elements"/>	Site Number:	<input type="text" value="N-055"/>
Element Name:	<input type="text" value="Floor beams (steel)"/>	Width:	<input type="text" value="0.3"/> m
Element type:	<input type="text" value="I Type"/>	Height:	<input type="text" value="1.1"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="6.8"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="5"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="105"/> 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:	Beams/Main Longitudinal Elements	Site Number:	N-055
Element Name:	Stringers (steel)	Width:	0.12 m
Element type:	I Type	Height:	0.6 m
Sub-element:		Length:	5 m
Material:	Steel	Count:	28
Location:		Total Quantity:	218 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="Abutments"/>	Site Number:	<input type="text" value="N-055"/>
Element Name:	<input type="text" value="Walls"/>	Width:	<input type="text" value="6.8"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="1.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="24"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Light to medium horizontal cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="N-055"/>
Element Name:	<input type="text" value="Drainage system"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	Beams/Main Longitudinal Elements	Site Number:	N-055
Element Name:	Connections	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:	Steel	Count:	16
Location:		Total Quantity:	16 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:		Unit Cost:	
Rehab time period:	None Recommended	Estimated Cost:	
Quantity:	<input type="text" value="0"/>		

General Comments:



2024 Jul 30 02:17 PM

Element Inspection

Element Group:	<input type="text" value="Joints"/>	Site Number:	<input type="text" value="N-055"/>
Element Name:	<input type="text" value="Seals (paved over)"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="2"/> each
Environment:	<input type="text" value="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:	Decks	Site Number:	N-055
Element Name:	Soffit - thin slab	Width:	5.3 m
Element type:		Height:	0 m
Sub-element:		Length:	20 m
Material:	Timber	Count:	0
Location:		Total Quantity:	106 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:

Moderate to severe rotting throughout.



OSIM Biennial Inspection Report



Site Number:

B-019

Concession 2 & 3, Lot 35 Bridge



South Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 2 & 3. Lot 35 Bridge	Site Number:	B-019
District:		Road Name:	Concession 2 NDR
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	250
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	7.05 m
Number of Spans:	1	Roadway Width:	6.15 m
Direction of Structure:	East-West	Total Deck Length:	17.2 m
GPS Coordinates (Degrees)		Span (s):	15.24 m
General	Latitude: 44.182884	Total Deck Area:	121 sq.m
	Longitude: -80.951330	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: 74

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:	1975	Contract Number When Built:	
Latest Biennial Inspection:	March 23, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	74	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

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



Description: Wingwalls: Light spalling at construction joint, sealing has failed.



Description: Approach Curbs: Shallow delamination throughout.



Description: Approach Curbs: Light to medium horizontal cracking with leachate staining.



Description: Approach Wearing surface: Light to medium transverse cracks.



Description: Approach Wearing surface: Sediment covering entire structure.



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



Description: Railing Systems: Medium delamination throughout.



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



Description: Railing Systems: Light spalling with disintegration.



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



Description: Soffit (int): Patch noted at midspan. Light honeycombing at midspan.



Description: Wearing Surface: Moderate ravelling along centreline.



Description: Wearing Surface: Covered in sediment, limited inspection.



Description: Wearing Surface: Shallow to moderate potholing along centreline.



Description: Curbs: Light to medium vertical cracks with leachate staining typ. at post locations.



Element Inspection

Element Group:	Barriers	Site Number:	B-019
Element Name:	Railing systems	Width:	0 m
Element type:	Flexi beam with timber posts	Height:	0.72 m
Sub-element:		Length:	12 m
Material:	Steel	Count:	4
Location:	Approaches	Total Quantity:	48 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:



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-019"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="7.05"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="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="14"/> 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-019"/>
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"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="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="8"/> 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 map cracking with leachate staining. Light spalling at construction joint, sealing has failed.



Element Inspection

Element Group:	<input type="text" value="Accessories (Attachments and Signs)"/>	Site Number:	<input type="text" value="B-019"/>
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-019"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="6.15"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="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="49"/> 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-019"/>
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="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"/> 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:

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



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="B-019"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="6.15"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="4"/> m
Material:	<input type="text" value="Asphalt"/>	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"/>	Estimated Cost:	<input type="text"/>
Quantity:	<input type="text" value="0"/>		

General Comments:

Light to medium transverse cracks. Sediment covering entire structure, limited inspection. Moderate to severe potholing throughout.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="B-019"/>
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="0.72"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="25.2"/> 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="50"/> 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:

Medium delamination throughout. Light to medium map cracking with leachate staining. Light spalling with disintegration.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-019"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="7.05"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="17.2"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="121"/> 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-019"/>
Element Name:	<input type="text" value="Drainage System"/>	Width:	<input type="text" value="0"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="0"/> m
Material:	<input type="text" value="Steel"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="2"/> each
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-019"/>
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="15.24"/> 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="46"/> 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="Decks"/>	Site Number:	<input type="text" value="B-019"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="5.05"/> 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="15.24"/> 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="77"/> 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:

Patch noted at midspan. Light honeycombing at midspan.



Element Inspection

Element Group:	Decks	Site Number:	B-019
Element Name:	Wearing Surface	Width:	6.15 m
Element type:		Height:	0 m
Sub-element:		Length:	17.2 m
Material:	Asphalt	Count:	1
Location:		Total Quantity:	106 sqm
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	Routine
Maint needs:	Bridge cleaning	Maint. Time Period:	1 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:

Moderate ravelling along centreline. Covered in sediment, limited inspection. Shallow to moderate potholing along centreline.



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-019"/>
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-019"/>
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:

High water level at time of inspection.



Element Inspection

Element Group:	Foundations	Site Number:	B-019
Element Name:	Foundation (below ground level)	Width:	0 m
Element type:		Height:	0 m
Sub-element:		Length:	0 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	2 each
Environment:	Benign	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (each):

Exec: Good: Fair: Poor:

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

General Comments:

No signs of settlement.

Element Inspection

Element Group:	Sidewalks/ curbs	Site Number:	B-019
Element Name:	Curbs	Width:	0.55 m
Element type:		Height:	0.2 m
Sub-element:		Length:	17.2 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	26 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:

Light to medium vertical cracks with leachate staining typ. at post locations.



OSIM Biennial Inspection Report



Site Number:

B-009

Concession 3W, Lot 14 & 15 Bridge



South Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 3W, Lot 14 & 15 Bridge	Site Number:	B-009
District:		Road Name:	Welbeck Road
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	250
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	7.7 m
Number of Spans:	1	Roadway Width:	7.25 m
Direction of Structure:	East-West	Total Deck Length:	12.3 m
GPS Coordinates (Degrees)		Span (s):	7.62 m
General	Latitude: 44.275460	Total Deck Area:	95 sq.m
	Longitude: -80.891514	Current Load Limit:	0

Inspection Data

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

Overall Inspection Summary

BCI: 69	Next Inspection:	13-Jun-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1935	Contract Number When Built:	
Latest Biennial Inspection:	March 27, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	69	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

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



Description: Wingwalls: Light vertical cracking with leachate and wetness staining.



Description: Railing Systems: Medium to wide vertical cracking throughout.



Description: Railing Systems: Shallow spall with exposed reinforcing.



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



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



Description: Soffit (ext): Moderate delamination with exposed reinforcing.



Description: Soffit (int): Moderate to severe delamination with exposed reinforcing throughout.



Description: Curbs: Severe localized rot.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-009"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="7.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="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="15"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Medium to wide vertical cracking with leachate staining.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="B-009"/>
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"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.5"/> 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="5"/> sqm
Environment:	<input type="text" value="Moderate"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Light vertical cracking with leachte and wetness staining.



Element Inspection

Element Group:	Accessories (Attachments and Signs)	Site Number:	B-009
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-009"/>
Element Name:	<input type="text" value="Curbs"/>	Width:	<input type="text" value="0.18"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0.18"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.5"/> m
Material:	<input type="text" value="Timber"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="4"/> 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-009"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="7.25"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="2.5"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="36"/> 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-009"/>
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="0.7"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="12.3"/> 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"/> 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:

Medium to wide vertical cracking throughout. Shallow spall with exposed reinforcing.



2024 Jun 13 12:52 PM

Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-009"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="7.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="12.3"/> 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="95"/> 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-009"/>
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:

Recommend extending two drains to below soffit.



Element Inspection

Element Group:	Decks	Site Number:	B-009
Element Name:	Soffit - thick slab	Width:	1 m
Element type:		Height:	0.3 m
Sub-element:	Exterior	Length:	7.62 m
Material:	Cast-in-place Concrete	Count:	2
Location:		Total Quantity:	20 sqm
Environment:	Moderate	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Light to medium map cracking with leachate staining throughout. Light to medium longitudinal cracking with leachate staining. Moderate delamination with exposed reinforcing.



Element Inspection

Element Group:	Decks	Site Number:	B-009
Element Name:	Soffit - thick slab	Width:	5.7 m
Element type:		Height:	0 m
Sub-element:	Interior	Length:	7.62 m
Material:	Cast-in-place Concrete	Count:	1
Location:		Total Quantity:	43 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:

Moderate to severe delamination with exposed reinforcing throughout.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="B-009"/>
Element Name:	<input type="text" value="Wearing Surface"/>	Width:	<input type="text" value="7.25"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="12.3"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="89"/> sqm
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:



Element Inspection

Element Group:	<input type="text" value="Embankments & Streams"/>	Site Number:	<input type="text" value="B-009"/>
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-009"/>
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-009"/>
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:	Sidewalks/ curbs	Site Number:	B-009
Element Name:	Curbs	Width:	0.18 m
Element type:		Height:	0.18 m
Sub-element:		Length:	12.3 m
Material:	Timber	Count:	2
Location:		Total Quantity:	9 m
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	
Maint needs:		Maint. Time Period:	

Condition Data (m):

Exec: Good: Fair: Poor:

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

General Comments:

Severe localized rot.



Concession 8 & 9, Lot 5 Bridge



North Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 8 & 9. Lot 5 Bridge	Site Number:	G-032
District:		Road Name:	Concession 8
County:	Grey County	Owner:	West Grey
Township:	West Grey	Skew:	0
Bridge or Culvert:	Bridge	AADT:	150
Structure Type:	Concrete Rigid Frame	Overall Struct. Width:	9.7 m
Number of Spans:	1	Roadway Width:	8.44 m
Direction of Structure:	North-South	Total Deck Length:	13.7 m
GPS Coordinates (Degrees)		Span (s):	11.6 m
General	Latitude: 44.262533	Total Deck Area:	133 sq.m
	Longitude: -80.764916	Current Load Limit:	0

Inspection Data

Date of Inspection:	12-Jun-24
Name of Inspector:	A. Burgess P.Eng. & J. Ziegler CET
Equipment Used:	Sounding hammer, measuring equipment, GPS
Weather Conditions:	Sunny
Temperature:	23
Special Notes:	Bridge is in good condition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 74	Next Inspection:	12-Jun-26	
Additional Investigation Required:		Priority:	
Additional Investigation Cost:			
Rehabilitation Needs:			
Rehabilitation Timing:			
Total Rehabilitation Budget Costings:		Engineering Fee:	

Historical Data

Year Built:	1960	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: Abutment walls: Light scaling throughout.



Description: Abutment walls: Moderate scouring on west abutment, under water.



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



Description: Approach Curbs: Shallow delaminations throughout.



Description: Approach Curbs: Medium transverse cracking throughout.



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



Description: Railing systems: Severe impact damage at south west corner.



Description: Railing Systems: Severe impact damage at north west bridge connection.



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



Description: Soffit (int): Light to medium longitudinal cracking with leachate staining along construction jo



Description: Curbs: Shallow delaminations throughout.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="G-032"/>
Element Name:	<input type="text" value="Abutment walls"/>	Width:	<input type="text" value="9.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="5.5"/> 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="107"/> 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 scaling throughout. Moderate scouring on west abutment, under water.



Element Inspection

Element Group:	<input type="text" value="Abutments"/>	Site Number:	<input type="text" value="G-032"/>
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"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3.8"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="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:

Light to medium horizontal cracking with leachate staining.



Element Inspection

Element Group:	Accessories (Attachments and Signs)	Site Number:	G-032
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="G-032"/>
Element Name:	<input type="text" value="Approach slabs"/>	Width:	<input type="text" value="8.44"/> 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="103"/> 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-032"/>
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="0.19"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="3.8"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="4"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="12"/> m
Environment:	<input type="text" value="Severe"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (m):

Exec: Good: Fair: Poor:

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

General Comments:

Shallow delaminations throughout. Medium transverse cracking throughout.



Element Inspection

Element Group:	<input type="text" value="Approaches"/>	Site Number:	<input type="text" value="G-032"/>
Element Name:	<input type="text" value="Wearing surface"/>	Width:	<input type="text" value="8.44"/> 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="103"/> 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:

Approaches appear to have been repaved.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="G-032"/>
Element Name:	<input type="text" value="Railing systems"/>	Width:	<input type="text" value="0.2"/> m
Element type:	<input type="text" value="Post and rail"/>	Height:	<input type="text" value="0.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="21.3"/> 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="43"/> 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="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" value="0"/>		

General Comments:
Light to medium map cracking with leachate staining. Severe impact damage at south west corner.



Element Inspection

Element Group:	<input type="text" value="Barriers"/>	Site Number:	<input type="text" value="G-032"/>
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="0.8"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="45"/> 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="180"/> 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="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" value="0"/>		

General Comments:

Severe impact damage at north west bridge connection.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-032"/>
Element Name:	<input type="text" value="Deck top (with thick slab)"/>	Width:	<input type="text" value="9.7"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="13.7"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="133"/> 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-032"/>
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="11.6"/> 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="46"/> 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 and leachate staining.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-032"/>
Element Name:	<input type="text" value="Soffit - thick slab"/>	Width:	<input type="text" value="7.7"/> 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="11.6"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="89"/> sqm
Environment:	<input type="text" value="Benign"/>	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:	<input type="text"/>	Maintenance Type:	<input type="text"/>
Maint needs:	<input type="text"/>	Maint. Time Period:	<input type="text"/>

Condition Data (sqm):

Exec: Good: Fair: Poor:

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

General Comments:

Light to medium longitudinal cracking with leachate staining along construction joint.



Element Inspection

Element Group:	<input type="text" value="Decks"/>	Site Number:	<input type="text" value="G-032"/>
Element Name:	<input type="text" value="Wearing Surface"/>	Width:	<input type="text" value="8.44"/> m
Element type:	<input type="text"/>	Height:	<input type="text" value="0"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="13.7"/> m
Material:	<input type="text" value="Asphalt"/>	Count:	<input type="text" value="1"/>
Location:	<input type="text"/>	Total Quantity:	<input type="text" value="116"/> 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-032"/>
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="G-032"/>
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="G-032"/>
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="G-032"/>
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="0.19"/> m
Sub-element:	<input type="text"/>	Length:	<input type="text" value="13.7"/> m
Material:	<input type="text" value="Cast-in-place Concrete"/>	Count:	<input type="text" value="2"/>
Location:	<input type="text" value="On deck"/>	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:

Shallow delaminations throughout.



OSIM Biennial Inspection Report



Site Number:

B-018

Concession 2 & 3W, Lot 42 Bridge



East Elevation



Burgess Engineering Inc

27-Aug-24

Inventory Data

Structure Name:	Concession 2 & 3W. Lot 42 Bridge	Site Number:	B-018
District:		Road Name:	Concession 2 WGR
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:	7.3 m
Number of Spans:	1	Roadway Width:	6.71 m
Direction of Structure:	North-South	Total Deck Length:	26.5 m
GPS Coordinates (Degrees)		Span (s):	24.38 m
General	Latitude: 44.212562	Total Deck Area:	193 sq.m
	Longitude: -80.862578	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 conition, showing no signs of structural distress.

Overall Inspection Summary

BCI: 74

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:	1945	Contract Number When Built:	
Latest Biennial Inspection:	March 22, 2023	Latest Specialized Inspection:	
Latest Structure Rating:	74	Latest Structure Condition:	
RehabHistory:			
Regional Priority Number:		Programmed Work Year:	
NatureOfProgramWork:			

Description: Railing systems: Severe impact damage.



Description: Railing systems: Recommend mounting flexi beam to face of post and rail.



Description: Approach Curbs: Light to medium vertical cracking throughout.



Description: Railing systems: Moderate spalls with exposed reinforcing throughout.



Description: Drainage System: Medium corrosion throughout.



Description: Soffit (ext): Minor popout with exposed reinforcing.



Description: Soffit (int): Light spalling with exposed reinforcing.



Description: Wearing Surface: Moderate ravelling along edges.



Description: Embankments: Moderate erosion on E quadrants.



Description: Curbs: Light to medium vertical cracks throughout.



Element Inspection

Element Group:	Barriers	Site Number:	B-018
Element Name:	Railing systems	Width:	0 m
Element type:	Flexi beam with timber posts	Height:	0 m
Sub-element:		Length:	18 m
Material:	Steel	Count:	4
Location:	Approaches	Total Quantity:	72 m
Environment:	Severe	Not inspected:	<input type="checkbox"/>
Perform. deficiencies:		Maintenance Type:	Structural
Maint needs:	Barrier/railing system repair	Maint. Time Period:	1 Year

Condition Data (m):

Exec: 0 Good: 67 Fair: 4 Poor: 1

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

General Comments:

Severe impact damage. Recommend mounting flexi beam to face of post and rail.

