## Ontario Structure Inspection Manual – Inspection Form

Work History (Date/Description)

Repair work done at/on expansion joint armouring (in 2010)

**MTO Site Number:** N/A **Inventory Data:** Centennial Bridge (Leclair Road Bridge over Veuve River) Structure Name Service on □ Navig. Water □ Non-Navig. Water □ Rail Main Highway # N/A On 🗆 Under 🗆  $\boxtimes$ Road  $\square$  Ped. □Other Structure: ⊠ Navig. Water □ Non-Navig. Water □ Rail Service  $\square$ Road  $\square$ Ped. □Other 2.5 km East of Hwy 64 under Location description Owner/Custodian Municipality of West Nipissing Latitude: 46.378097 Longitude: -80.089213 Heritage ☐ Not Cons. □Cons./not App. □List/not Desig MTO Region Northern Designation: □Desig./notList □Desig. & List Freeway□ Arterial□ Collector□ Local⊠ MTO District Sudbury **Road Class:** No. of Lanes 2 **Old County** Posted Speed 500-999 Caldwell AADT Township % Truck Traffic Directional Bound W-E Structure Type Steel Girder Concrete and Steel Bottom to Top Structure Material Inspection Route Sequence Total Deck Length 92.5 (m) Inspection Duration (hrs) Overall Str. Width 10.43 (m) Interchange Number Total Deck Area 946.8 (sq.m) Interchange Structure Number Roadway Width Min. Vertical Clearance 8.55 (m) Skew Angle 45 (Degree) **Detour Distance** (m) No. of Spans Fill on Structure (km) Span Lengths 45.9 m, 45.9 m (m) **Historical Data:** Year Built 1967 Year of Last Minor Rehab Last Reg OSIM Inspection October 2019 Year of Last Major Rehab. Last Enh. OSIM Inspection **Current Load Limit** (tonnes)

Scheduled Improve	ements:		
Regional Priority Nun	nber	Programmed Work Year	
Nature of Program W	ork:		
Appraisal Indices:		Comments	
Fatigue			
Seismic			
Scour			
Flood			

Barrier

Curb

Load Capacity

Field Inspection Informat	ion:				
Date of Inspection:	November 09, 2021	Type of Inspection	⊠Reg. OSI	M □Enh. OSI	IM
Inspected By:	Michael Colton, Mcl	Intosh Perry Consulting Engineer	s Ltd.		
Others in Party:	Mahmoud Abou Nia	aj, EIT, McIntosh Perry Consulting	g Engineers Ltd	l	
Enh. Access Equipment:	None				
Special Access Equipment:	None				
Weather:	Sunny	Temperature	0°C		
Additional Investigations		·		Priority	V
Additional Investigations	Requirea:		None	Normal	Urgent
Material Condition Survey			None	Normai	Orgent
Detailed Deck Condition	on Survey:				
		Asphalt-Covered Deck:			
Concrete Substructure					
Detailed Coating Cond	'	·			
Detailed Timber Inves					
Post-Tensioned Stran					
Underwater Investigation:	<u> </u>				
Fatigue Investigation:					
Seismic Investigation:					
Structure Evaluation:					
Monitoring					
Deformations, Settler	nents and Moveme	ents:			
Crack Widths:					
RSS Horizontal mover	nents of face:				
RSS Vertical moveme	nts of overall struct	ture:			
RSS Local movements	or deterioration o	f facing elements:			
RSS Horizontal mover	nents within overa	ll structure:			
RSS Vertical moveme	nts within overall s	tructure:			
RSS Lateral earth pres	sure at the back of	f facing elements:			
Investigation Notes:			•		
Overall Structure Notes:					
Recommended Work on Str	ucture: None	 ⊠Minor Rehab. □Ma	ijor Rehab.	□Replace	
Timing of Recommended W			ijor neriab.	Шперіасс	
Overall Comments:		st has been knocked out of alignr	ment and resu	 lted in concret	re snalling at the
Overdir comments.		sts. Debris accumulating on bear			-
		evere scaling on parapet walls. N	•		
		ds and abutment diaphragms. N\			
Date of Next Inspection:	November	2023			
Suspected Performance Deficiencies					
01 Load carrying capacity	06 07	Bearing not uniformly loaded/unstabl Jammed expansion joint		ery surfaces ing/channel block	age
02 Excessive deformations (deflection		Pedestrian/vehicular hazard		rmining of founda	
<ul><li>03 Continuing settlement</li><li>04 Continuing movements</li></ul>	09 10	Rough riding surface Surface ponding		ble embankments	
<ul><li>04 Continuing movements</li><li>05 Seized bearings</li></ul>	11	Deck/Wall drainage	16 Otner	performance def	iciencies
Maintenance Needs		_			
<ul><li>01 Lift and Swing Bridge Maintenan</li><li>02 Bridge Cleaning</li></ul>	ce <b>07</b>	Structural Steel Repair Concrete Repair		n Control at Bridg ete Sealing	ges
03 Railing System Repair	09	Timber Repair	<b>15</b> Rout a	and Seal	
<ul><li>04 Painting Steel Bridge Structures</li><li>05 Bridge Deck Joint Repair</li></ul>	10 11	Works for Modular bridges Animal/Pest Control		s for Drainage Syst g (Loose Concrete	
06 Bridge Bearing Maintenance	12	Bridge Surface Repair		Maintenance	. J. Man Jeelj

## **Element Data**

Element Grou	p:	Abutments		Length:	N/A		
Element Nam	e:	Abutment Walls		Width:	14.7 r	n	
Location:		North and South		Height:	Avera	ge 2 m	
Material:		Concrete		Count:	2		
Element Type	:	Cast-In-Place		Total Qua	<b>ntity:</b> 58.8 r	n <sup>2</sup>	
Environment:		☐Benign ☑ Moderat	te 🗆 Severe	Inspected:	Y	es 🗆 No 🗆	Limited ⊠
Protection Sys	stem:	N/A		· ·			
Condition		Units	Exc.	Good	Fair	Poor*	Perform. Deficiencies
Data:	⊠m²	□ m □ each □ %			_	_	
	□all			52.8	3	3	00
Comments:		•	-		•		
Medium crack	s. Debri	s accumulated on bear	ring seats. Erosio	on along Wes	t abutment's fo	ooting.	
Recommend	ed Wor	r <b>k:</b> ⊠Rehab	□Replace		Maintenance	e Needs: 02	
		$\Box$ 1-5 years	⊠6-10 years				
					□Urgent	⊠1 year	□2 year
					Clean bearing	seats	
Element Grou	p:	Abutments		Length:	N/A		
Element Grou	-	Abutments Ballast Walls		Length:	N/A 14.7 r	n	
	-						
Element Nam	-	Ballast Walls		Width:	14.7 r		
Element Nam Location:	e:	Ballast Walls North and South		Width: Height:	14.7 r 1.5 m 2		
Element Nam Location: Material:	e: :	Ballast Walls North and South Concrete	:e □ Severe	Width: Height: Count:	14.7 r 1.5 m 2 ntity: 44.1 r		Limited ⊠
Element Nam Location: Material: Element Type	e: :	Ballast Walls North and South Concrete Cast-In-Place	te 🗆 Severe	Width: Height: Count: Total Quar	14.7 r 1.5 m 2 ntity: 44.1 r	n²	
Element Nam Location: Material: Element Type Environment:	e: :	Ballast Walls North and South Concrete Cast-In-Place  ☐ Benign ☑ Moderate	te  Severe  Exc.	Width: Height: Count: Total Quar	14.7 r 1.5 m 2 ntity: 44.1 r	n²	Limited ⊠  Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys	e: : stem:	Ballast Walls North and South Concrete Cast-In-Place  Benign Moderat N/A		Width: Height: Count: Total Qual Inspected:	14.7 r 1.5 m 2 ntity: 44.1 r	n² es □ No □	
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data:	e:	Ballast Walls North and South Concrete Cast-In-Place □ Benign ☑ Moderat N/A Units		Width: Height: Count: Total Qual Inspected:	14.7 r 1.5 m 2 ntity: 44.1 r	n² es □ No □ Poor*	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data:  Comments: Spalling witne	stem:    Mm²   all	Ballast Walls North and South Concrete Cast-In-Place Benign Moderat N/A Units m each %	Exc.	Width: Height: Count: Total Qual Inspected:	14.7 r 1.5 m 2 ntity: 44.1 r Y	n <sup>2</sup> es  No  Poor*  4.1	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments:	stem:    Mm²   all	Ballast Walls North and South Concrete Cast-In-Place Benign Moderat N/A Units m each %  cop of East ballast wall	Exc.	Width: Height: Count: Total Qual Inspected:  Good 40	14.7 r 1.5 m 2 ntity: 44.1 r	n <sup>2</sup> es  No  Poor*  4.1	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments:	stem:    Mm²     all	Ballast Walls North and South Concrete Cast-In-Place Benign Moderat N/A Units m each %	Exc.	Width: Height: Count: Total Qual Inspected:  Good 40	14.7 r 1.5 m 2 ntity: 44.1 r Y	n <sup>2</sup> es  No  Poor*  4.1	Perform. Deficiencies

	ıp:	Abutments		Length:	N/A		
Element Nam	•	Bearings		Width:	N/A		
Location:		North and South		Height:	N/A		
Material:		Rubber		Count:	10		
Element Type	:	Elastomeric Pads		Total Qua	ntity: 10		
Environment:		⊠Benign □ Modera	te 🗆 Severe	Inspected	: Y	es 🗆 No 🗆	Limited ⊠
Protection Sys	stem:	N/A					
Condition		Units	Exc.	Good	Fair	Poor*	Perform. Deficiencies
Data:	□m²	□ m 🛛 each 🗆 %			10		00
	□all				10		00
Comments:							
Some rust on	base pla	ites. Splits at almost al	l elastomeric e	ncapsulation			
Recommend	led Wo	<b>rk</b> : ⊠Rehab	□Replace		Maintenanc	e Needs: 00	
		$\Box$ 1-5 years	⊠6-10 year	`S			
Repair/replac	e elasto	meric bearing pads			□Urgent	□1 year	□2 year
Element Grou		Abutments		Length:	4.1 m		
Element Grou		Wingwalls		Width:	4.1 m N/A		
Element Nam Location:				Width: Height:	N/A	nge 1.1 m	
Element Nam Location: Material:	e:	Wingwalls North and South Concrete		Width: Height: Count:	N/A Avera 4	ge 1.1 m	
Element Nam Location: Material: Element Type	e:	Wingwalls North and South Concrete Cast-In-Place		Width: Height: Count: Total Qua	N/A Avera 4 ntity: 18.0 r	nge 1.1 m	
Element Nam Location: Material: Element Type Environment:	e:	Wingwalls North and South Concrete Cast-In-Place ⊠Benign □ Modera	te □ Severe	Width: Height: Count:	N/A Avera 4 ntity: 18.0 r	ge 1.1 m	Limited □
Element Nam Location: Material: Element Type Environment: Protection Sys	e:	Wingwalls North and South Concrete Cast-In-Place ⊠Benign □ Modera N/A		Width: Height: Count: Total Qua	N/A Avera 4 ntity: 18.0 r	nge 1.1 m m² ′es ⊠ No □	
Element Nam Location: Material: Element Type Environment:	stem:	Wingwalls North and South Concrete Cast-In-Place ⊠Benign □ Modera N/A Units	te 🗆 Severe	Width: Height: Count: Total Qua	N/A Avera 4 ntity: 18.0 r	nge 1.1 m	Limited □ Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys	stem:	Wingwalls North and South Concrete Cast-In-Place ⊠Benign □ Modera N/A		Width: Height: Count: Total Qua Inspected	N/A Avera 4 ntity: 18.0 r	nge 1.1 m m² ′es ⊠ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data:	stem:	Wingwalls North and South Concrete Cast-In-Place ⊠Benign □ Modera N/A Units		Width: Height: Count: Total Qua	N/A Avera 4 ntity: 18.0 r	nge 1.1 m m² ′es ⊠ No □	
Element Nam Location: Material: Element Type Environment: Protection Sys	stem:	Wingwalls North and South Concrete Cast-In-Place ⊠Benign □ Modera N/A Units		Width: Height: Count: Total Qua Inspected	N/A Avera 4 ntity: 18.0 r	nge 1.1 m m² ′es ⊠ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments:	stem:	Wingwalls North and South Concrete Cast-In-Place  Benign Modera N/A Units m each %		Width: Height: Count: Total Qua Inspected	N/A Avera 4 ntity: 18.0 r	nge 1.1 m m² ′es ⊠ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data:	stem:	Wingwalls North and South Concrete Cast-In-Place  Benign Modera N/A Units m each %		Width: Height: Count: Total Qua Inspected	N/A Avera 4 ntity: 18.0 r	nge 1.1 m m² ′es ⊠ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments:	stem:	Wingwalls North and South Concrete Cast-In-Place  Benign Modera N/A Units m each %		Width: Height: Count: Total Qua Inspected	N/A Avera 4 ntity: 18.0 r	nge 1.1 m m² ′es ⊠ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments:	stem:	Wingwalls North and South Concrete Cast-In-Place  Benign Modera N/A Units m each %		Width: Height: Count: Total Qua Inspected	N/A Avera 4 ntity: 18.0 r	nge 1.1 m m² ′es ⊠ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments: Generally in g	stem:  Stem:  all  ood con	Wingwalls North and South Concrete Cast-In-Place Menign Modera N/A Units m each %	Exc.	Width: Height: Count: Total Qua Inspected	N/A Avera 4 ntity: 18.0 r Fair	rge 1.1 m  m²  res ⊠ No □  Poor*	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments:	stem:  Stem:  all  ood con	Wingwalls North and South Concrete Cast-In-Place Menign Modera N/A Units m each %		Width: Height: Count: Total Qua Inspected	N/A Avera 4 ntity: 18.0 r	rge 1.1 m  m²  res ⊠ No □  Poor*	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments: Generally in g	stem:  Stem:  all  ood con	Wingwalls North and South Concrete Cast-In-Place Menign Modera N/A Units m each %	Exc.	Width: Height: Count: Total Qua Inspected: Good	N/A Avera 4 ntity: 18.0 r Fair  Maintenanc	e Needs: 00	Perform. Deficiencies  00
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments: Generally in g	stem:  Stem:  all  ood con	Wingwalls North and South Concrete Cast-In-Place    Benign   Modera   N/A   Units   m   each   %   dition   Rehab	Exc.	Width: Height: Count: Total Qua Inspected: Good	N/A Avera 4 ntity: 18.0 r Fair	rge 1.1 m  m²  res ⊠ No □  Poor*	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments: Generally in g	stem:  Stem:  all  ood con	Wingwalls North and South Concrete Cast-In-Place    Benign   Modera   N/A   Units   m   each   %   dition   Rehab	Exc.	Width: Height: Count: Total Qua Inspected: Good	N/A Avera 4 ntity: 18.0 r Fair  Maintenanc	e Needs: 00	Perform. Deficiencies  00

Element Grou Element Nam Location: Material:	- P-			Length:	92.5 r	m	
Location:	ie:	Deck Deck Top		Width:	10.43		
	-	Deck 10p		Height:	0.21 r		
		Concrete		Count:	1		
Element Type	<u>:</u>	Cast-In-Place		Total Qua		k m²	
Environment:		☐Benign ☐ Modera	te 🛛 Severe	Inspected		'es ⊠ No □	Limited
Protection Sy		N/A	<del></del>	]	<u> </u>		
Condition		Units	Exc.	Good	Fair	Poor*	Perform. Deficiencies
Data:	⊠ m²	□ m □ each □ %			-		
24.5.	□all			935.8	14	15	01
Comments:			1				
Small localized	d areas d	of spalled concrete and	d delamination	at midspan			
		<b>-</b>					
Recommend	led Wo	r <b>k</b> : ⊠Rehab	□Replace		Maintenanc	e Needs: 00	
1.000111110110	ica iic.	□1-5 years	⊠6-10 year	rs			
Repair deck to	on		<u> </u>		□Urgent	□1 year	□2 year
nepan deci. :	OP					<u> </u>	
Element Grou	ıp:	Deck		Length:	2.0 m	l	
Element Grou	-	Deck Soffit - Ends		Length:	2.0 m 10.43		
	-						
Element Nam	-			Width:	10.43	m	
Element Nam Location:	ie:	Soffit - Ends		Width: Height: Count:	10.43 N/A 2 End	s m	
Element Nam Location: Material:	e:	Soffit - Ends Concrete Cast-In-Place	te □ Severe	Width: Height: Count: Total Qua	10.43 N/A 2 End ntity: 41.7 r	s m	Limited ⊠
Element Nam Location: Material: Element Type	e:	Soffit - Ends  Concrete  Cast-In-Place  □Benign ☑ Modera	te 🗆 Severe	Width: Height: Count:	10.43 N/A 2 End ntity: 41.7 r	s m Is m²	
Element Nam Location: Material: Element Type Environment:	e:	Soffit - Ends Concrete Cast-In-Place	te  Severe	Width: Height: Count: Total Qua	10.43 N/A 2 End ntity: 41.7 r	s m Is m²	Limited ⊠  Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys	e: :: :stem:	Soffit - Ends  Concrete Cast-In-Place  ☐ Benign ☑ Modera  N/A  Units		Width: Height: Count: Total Qua Inspected	10.43 N/A 2 End ntity: 41.7 r	is m <sup>2</sup> (es \( \) No \( \)	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy:	e: :: :stem:	Soffit - Ends  Concrete  Cast-In-Place  □ Benign ☑ Modera  N/A		Width: Height: Count: Total Qua	10.43 N/A 2 End ntity: 41.7 r	is m <sup>2</sup> (es \( \) No \( \)	
Element Nam Location: Material: Element Type Environment: Protection Sys	e: e: stem:	Soffit - Ends  Concrete Cast-In-Place  ☐ Benign ☑ Modera  N/A  Units		Width: Height: Count: Total Qua Inspected	10.43 N/A 2 End ntity: 41.7 r	is m <sup>2</sup> (es \( \) No \( \)	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data:	e: e: stem:	Soffit - Ends  Concrete Cast-In-Place  ☐ Benign ☑ Modera  N/A  Units		Width: Height: Count: Total Qua Inspected	10.43 N/A 2 End ntity: 41.7 r	is m <sup>2</sup> (es \( \) No \( \)	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   III	Soffit - Ends  Concrete Cast-In-Place  □ Benign ☑ Modera  N/A  Units □ m □ each □ %		Width: Height: Count: Total Qua Inspected	10.43 N/A 2 End ntity: 41.7 r	is m <sup>2</sup> (es \( \) No \( \)	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data:	stem:    Mm²   III	Soffit - Ends  Concrete Cast-In-Place  □ Benign ☑ Modera  N/A  Units □ m □ each □ %		Width: Height: Count: Total Qua Inspected	10.43 N/A 2 End ntity: 41.7 r	is m <sup>2</sup> (es \( \) No \( \)	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   III	Soffit - Ends  Concrete Cast-In-Place  □ Benign ☑ Modera  N/A  Units □ m □ each □ %		Width: Height: Count: Total Qua Inspected	10.43 N/A 2 End ntity: 41.7 r	is m <sup>2</sup> (es \( \) No \( \)	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   III	Soffit - Ends  Concrete Cast-In-Place  □ Benign ☑ Modera  N/A  Units □ m □ each □ %		Width: Height: Count: Total Qua Inspected	10.43 N/A 2 End ntity: 41.7 r	is m <sup>2</sup> (es \( \) No \( \)	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   all	Soffit - Ends  Concrete Cast-In-Place  □ Benign ☑ Modera  N/A  Units □ m □ each □ %  dition.	Ехс.	Width: Height: Count: Total Qua Inspected	10.43 N/A 2 End ntity: 41.7 r	s m  s m²  res   No	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   all	Soffit - Ends  Concrete Cast-In-Place Benign Modera N/A Units meach %  dition.	Exc.	Width: Height: Count: Total Qua Inspected: Good 41.7	10.43 N/A 2 End ntity: 41.7 r	s m  s m²  res   No	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   all	Soffit - Ends  Concrete Cast-In-Place  □ Benign ☑ Modera  N/A  Units □ m □ each □ %  dition.	Ехс.	Width: Height: Count: Total Qua Inspected: Good 41.7	10.43 N/A 2 End ntity: 41.7 r Fair  Maintenance	s m   s m²  'es □ No □    Poor*   e Needs: 00	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   all	Soffit - Ends  Concrete Cast-In-Place Benign Modera N/A Units meach %  dition.	Exc.	Width: Height: Count: Total Qua Inspected: Good 41.7	10.43 N/A 2 End ntity: 41.7 r	s m  s m²  res   No	Perform. Deficiencies

	p:	Deck		Length:	88.5 r	n		
Element Name	e:	Soffit – Exterior		Width:	2.69 r	n		
Location:				Height:	N/A			
Material:		Concrete		Count:	N/A			
Element Type	:	Cast-In-Place		Total Qua	ntity: 238.1	m <sup>2</sup>		
Environment:		☐Benign 🗵 Modera	te 🗆 Severe	Inspected:	Y	es 🗆 No 🗆	Limited ⊠	
Protection Sys	stem:	N/A		-				- 6
Condition		Units	Exc.	Good	Fair	Poor*	Perform.	Deficiencies
Data:	⊠m² □ all	□ m □ each □ %		235.6	1	1.5		08
Comments:  Concrete fasci	a defect	s at second railing wa	s noted at SE c	of deck and No	rth side at mids	span.		
Recommend	ed Woı	r <b>k:</b> ⊠Rehab □1-5 years	□Replace 図6-10 yea	rs	Maintenanc	e Needs: 00		
Repair concre	te at sla	•	,		□Urgent	□1 year	□2 year	
F1 . 0		L .						
Element Grou	-	Deck		Length:	88.5 r			
Element Name	-	Deck Soffit – Interior		Width:	7.74 r			
Element Name	-	Soffit – Interior		Width: Height:	7.74 r N/A			
Element Name Location: Material:	e:	Soffit – Interior Concrete		Width: Height: Count:	7.74 r N/A N/A	n		
Element Name Location: Material: Element Type	e: :	Soffit – Interior  Concrete  Cast-In-Place		Width: Height: Count: Total Quar	7.74 r N/A N/A ntity: 685 m	n 1 <sup>2</sup>		
Element Name Location: Material: Element Type Environment:	e: :	Soffit – Interior  Concrete  Cast-In-Place  ☑ Benign ☐ Modera	te 🗆 Severe	Width: Height: Count:	7.74 r N/A N/A ntity: 685 m	n	Limited ⊠	
Element Name Location: Material: Element Type Environment: Protection Sys	e: :	Soffit – Interior  Concrete  Cast-In-Place  ⊠Benign □ Modera N/A		Width: Height: Count: Total Qual	7.74 r N/A N/A ntity: 685 m	n <sup>2</sup>		Deficiencies
Element Name Location: Material: Element Type Environment:	e:	Soffit – Interior  Concrete Cast-In-Place  Benign Modera N/A Units	te  Severe	Width: Height: Count: Total Quar	7.74 r N/A N/A ntity: 685 m	n 1 <sup>2</sup>		Deficiencies
Element Name Location: Material: Element Type Environment: Protection Sys	e:	Soffit – Interior  Concrete  Cast-In-Place  ⊠Benign □ Modera N/A		Width: Height: Count: Total Qual	7.74 r N/A N/A ntity: 685 m	n <sup>2</sup>		Deficiencies 00
Element Name Location: Material: Element Type Environment: Protection Syst	e: : stem:	Soffit – Interior  Concrete Cast-In-Place  Benign Modera N/A Units		Width: Height: Count: Total Qual Inspected:	7.74 r N/A N/A ntity: 685 n Y	n <sup>2</sup>		
Element Name Location: Material: Element Type Environment: Protection System Condition Data: Comments:	stem:  Sm²	Soffit – Interior  Concrete Cast-In-Place  Benign Modera N/A Units		Width: Height: Count: Total Qual Inspected:	7.74 r N/A N/A ntity: 685 n Y	n <sup>2</sup>		
Element Name Location: Material: Element Type Environment: Protection System Condition Data: Comments:	stem:  Sm² Sm² Sm² Sm² Sm² Sm² Sm² Sm² Sm² Sm	Soffit – Interior  Concrete Cast-In-Place  Benign		Width: Height: Count: Total Qual Inspected:	7.74 r N/A N/A ntity: 685 n Y	n <sup>2</sup> les  No  Poor*		
Element Name Location: Material: Element Type Environment: Protection System Condition Data: Comments: Rust stains and	stem:  Sm² Sm² Sm² Sm² Sm² Sm² Sm² Sm² Sm² Sm	Soffit – Interior  Concrete Cast-In-Place  Benign    Modera N/A Units  m each  %  its at West span	Exc.	Width: Height: Count: Total Qual Inspected: Good 681	7.74 r N/A N/A ntity: 685 m Y Fair	n <sup>2</sup> les  No  Poor*		
Element Name Location: Material: Element Type Environment: Protection System Condition Data: Comments: Rust stains and	stem:  Sm² Sm² Sm² Sm² Sm² Sm² Sm² Sm² Sm² Sm	Soffit – Interior  Concrete Cast-In-Place  Benign    Modera  N/A Units  m each  %	Exc.	Width: Height: Count: Total Qual Inspected: Good 681	7.74 r N/A N/A ntity: 685 m Y Fair	n <sup>2</sup> les  No  Poor*		

Element Grou	p:	Beams/MLE's		Length:	2.0 m			
Element Nam	e:	Girders - Ends		Width:	0.51 r	n		
Location:		West Span - End		Height:	0.9 m			
Material:		Steel		Count:	5			
Element Type	:	I-Beam section		Total Qua	<b>ntity:</b> 33.3 r	m²		
Environment:		☐Benign ☒ Modera	te 🗆 Severe	Inspected:	Y	es 🗆 No 🗖	Limited 🛚	
Protection Sys	stem:	Paint					Davida	Deficiencies
Condition		Units	Exc.	Good	Fair	Poor*	Perform.	Deficiencies
Data:	⊠m² □ all	☐ m ☐ each ☐ %		33.3				00
Comments:  Generally in go	ood con	dition					·	
Recommend	ed Wo		□Replace		Maintenanc	e Needs: 00		
		□1-5 years	□6-10 years	S				
					□Urgent	□1 year	□2 year	
Flement Grou	n:	Beams/MIF's		Length:	44.2 r	n		
Element Grou	•	Beams/MLE's		Length:	44.2 r			
Element Nam	•	Girders – Middle		Width:	0.51 r	n		
Element Nam Location:	•	Girders – Middle West Span - End		Width: Height:	0.51 r 0.9 m	n		
Element Nam Location: Material:	e:	Girders – Middle West Span - End Steel		Width: Height: Count:	0.51 r 0.9 m 5	n		
Element Nam Location: Material: Element Type	e: :	Girders – Middle West Span - End Steel I-Beam section	ıte □ Severe	Width: Height: Count: Total Quar	0.51 r 0.9 m 5 <b>ntity:</b> 735.9	m m²	Limited ⊠	
Element Nam Location: Material: Element Type Environment:	e: :	Girders – Middle West Span - End Steel I-Beam section <b>⊠Benign</b> ☐ <b>Modera</b>	ite □ Severe	Width: Height: Count:	0.51 r 0.9 m 5 <b>ntity:</b> 735.9	n	Limited ⊠	
Element Nam Location: Material: Element Type Environment: Protection Sys	e: :	Girders – Middle West Span - End Steel I-Beam section  図Benign □ Modera Paint		Width: Height: Count: Total Qual	0.51 r 0.9 m 5 ntity: 735.9	m m² 'es □ No □		Deficiencies
Element Nam Location: Material: Element Type Environment:	e:  stem:	Girders – Middle West Span - End Steel I-Beam section <b>⊠Benign</b> ☐ <b>Modera</b>	ite  Severe  Exc.	Width: Height: Count: Total Quar	0.51 r 0.9 m 5 <b>ntity:</b> 735.9	m m²		Deficiencies 00
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data:	e:	Girders – Middle West Span - End Steel I-Beam section  図Benign □ Modera Paint  Units		Width: Height: Count: Total Qual Inspected:	0.51 r 0.9 m 5 ntity: 735.9	m m² 'es □ No □		
Element Nam Location: Material: Element Type Environment: Protection Sys	e:  stem:	Girders – Middle West Span - End Steel I-Beam section  図Benign □ Modera Paint  Units		Width: Height: Count: Total Qual Inspected:	0.51 r 0.9 m 5 ntity: 735.9	m m² 'es □ No □		
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments:	stem:	Girders – Middle West Span - End Steel I-Beam section		Width: Height: Count: Total Qual Inspected:	0.51 r 0.9 m 5 ntity: 735.9	m m² 'es □ No □		
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data:	stem:	Girders – Middle West Span - End Steel I-Beam section		Width: Height: Count: Total Qual Inspected:	0.51 r 0.9 m 5 ntity: 735.9	m m² 'es □ No □		
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments:	stem:	Girders – Middle West Span - End Steel I-Beam section		Width: Height: Count: Total Qual Inspected:	0.51 r 0.9 m 5 ntity: 735.9	m m² 'es □ No □		
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments:	stem:	Girders – Middle West Span - End Steel I-Beam section		Width: Height: Count: Total Qual Inspected:	0.51 r 0.9 m 5 ntity: 735.9	m m² 'es □ No □		
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments: Generally in go	stem:    Mm²   all	Girders – Middle West Span - End Steel I-Beam section  Benign    Modera Paint Units  m   each  %  dition	Exc.	Width: Height: Count: Total Qual Inspected:	0.51 r 0.9 m 5 ntity: 735.9 Y	m <sup>2</sup> les  No  Poor*		
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments:	stem:    Mm²   all	Girders – Middle West Span - End Steel I-Beam section  Benign  Modera Paint  Units  m each  %  dition	Exc.	Width: Height: Count: Total Qual Inspected: Good 735.9	0.51 r 0.9 m 5 ntity: 735.9	m <sup>2</sup> les  No  Poor*		
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments: Generally in go	stem:    Mm²   all	Girders – Middle West Span - End Steel I-Beam section  Benign    Modera Paint Units  m   each  %  dition	Exc.	Width: Height: Count: Total Qual Inspected: Good 735.9	0.51 r 0.9 m 5 ntity: 735.9 Y Fair	m <sup>2</sup> es  No  Poor*  e Needs: 00	Perform.	
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments: Generally in go	stem:    Mm²   all	Girders – Middle West Span - End Steel I-Beam section  Benign  Modera Paint  Units  m each  %  dition	Exc.	Width: Height: Count: Total Qual Inspected: Good 735.9	0.51 r 0.9 m 5 ntity: 735.9 Y	m <sup>2</sup> les  No  Poor*		

Element Grou	n:	Beams/MLE's		Length:	2.0 m	1	
Element Nam	-	Girders - Ends		Width:	0.51 r		
Location:		East Span - End		Height:	0.9 m	1	
Material:		Steel		Count:	5		
Element Type	:	I-Beam section		Total Qua		m²	
Environment:		☐Benign ☒ Modera	te 🗆 Severe	Inspected		'es □ No □	Limited ⊠
Protection Sys	stem:	Paint		•			
Condition		Units	Exc.	Good	Fair	Poor*	Perform. Deficiencies
Data:	⊠m² □ all	☐ m ☐ each ☐ %		33.3			00
Comments:	I	'					
Generally in g	ood con	dition					
Recommend	led Wo	<b>rk:</b> □Rehab	□Replace		Maintenanc	e Needs: 00	
Recommend	ica vvoi	□1-5 years	□6-10 year	·s	- Triamiconario	<b></b>	
		,	,		□Urgent	□1 year	□2 year
Element Grou	ıp:	Beams/MLE's		Length:	44.2 r	<u> </u>	
Element Grou	-	Beams/MLE's Girders – Middle		Length:	44.2 r 0.51 r		
	-	Girders – Middle		Width:	0.51 r	m	
Element Nam	-					m	
Element Nam Location: Material:	e:	Girders – Middle East Span - End		Width: Height:	0.51 r 1.2 m 5	m I	
Element Nam Location:	e: :	Girders – Middle East Span - End Steel I-Beam section	te □ Severe	Width: Height: Count: Total Qua	0.51 r 1.2 m 5 ntity: 735.9	m I	Limited ⊠
Element Nam Location: Material: Element Type	e: :	Girders – Middle East Span - End Steel	te 🗆 Severe	Width: Height: Count:	0.51 r 1.2 m 5 ntity: 735.9	m I m²	
Element Nam Location: Material: Element Type Environment:	e: :	Girders – Middle East Span - End Steel I-Beam section ☑ Benign ☐ Modera	te □ Severe	Width: Height: Count: Total Qua	0.51 r 1.2 m 5 ntity: 735.9	m I m²	Limited ⊠ Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys	e: stem:	Girders – Middle East Span - End Steel I-Beam section  ☑ Benign ☐ Modera Paint		Width: Height: Count: Total Qua	0.51 r 1.2 m 5 ntity: 735.9	m 0 m <sup>2</sup> 'es □ No □	
Element Nam Location: Material: Element Type Environment: Protection Sys	e: : stem:	Girders – Middle East Span - End Steel I-Beam section  図Benign □ Modera Paint  Units		Width: Height: Count: Total Qual Inspected:	0.51 r 1.2 m 5 ntity: 735.9	m 0 m <sup>2</sup> 'es □ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data:	e: stem:	Girders – Middle East Span - End Steel I-Beam section  図Benign □ Modera Paint  Units		Width: Height: Count: Total Qual Inspected:	0.51 r 1.2 m 5 ntity: 735.9	m 0 m <sup>2</sup> 'es □ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data:	stem:    Mm²   all	Girders – Middle East Span - End Steel I-Beam section  ☑ Benign ☐ Modera Paint  Units ☐ m ☐ each ☐ %		Width: Height: Count: Total Qual Inspected:	0.51 r 1.2 m 5 ntity: 735.9	m 0 m <sup>2</sup> 'es □ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments:	e: stem: $\  \  \  \  \  \  \  \  \  \  \  \  \  $	Girders – Middle East Span - End Steel I-Beam section  ☑ Benign ☐ Modera Paint  Units ☐ m ☐ each ☐ %		Width: Height: Count: Total Qual Inspected:	0.51 r 1.2 m 5 ntity: 735.9	m 0 m <sup>2</sup> 'es □ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments:	e: stem: $\  \  \  \  \  \  \  \  \  \  \  \  \  $	Girders – Middle East Span - End Steel I-Beam section  ☑ Benign ☐ Modera Paint  Units ☐ m ☐ each ☐ %		Width: Height: Count: Total Qual Inspected:	0.51 r 1.2 m 5 ntity: 735.9	m 0 m <sup>2</sup> 'es □ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data:  Comments: Generally in go	stem:    Mm²   all	Girders – Middle East Span - End Steel I-Beam section  Benign Modera Paint Units m each %	Exc.	Width: Height: Count: Total Qual Inspected:	0.51 r 1.2 m 5 ntity: 735.9 Y	res No D	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments:	stem:    Mm²   all	Girders – Middle East Span - End Steel I-Beam section  Benign    Modera Paint  Units     m   each  %  dition	<b>Exc.</b> □Replace	Width: Height: Count: Total Qual Inspected: Good 735.9	0.51 r 1.2 m 5 ntity: 735.9	res No D	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments: Generally in go	stem:    Mm²   all	Girders – Middle East Span - End Steel I-Beam section  Benign Modera Paint Units m each %	Exc.	Width: Height: Count: Total Qual Inspected: Good 735.9	0.51 r 1.2 m 5 ntity: 735.9 Y Fair	res No D Poor*  e Needs: 00	Perform. Deficiencies  00
Element Nam Location: Material: Element Type Environment: Protection Sys Condition Data: Comments: Generally in go	stem:    Mm²   all	Girders – Middle East Span - End Steel I-Beam section  Benign    Modera Paint  Units     m   each  %  dition	<b>Exc.</b> □Replace	Width: Height: Count: Total Qual Inspected: Good 735.9	0.51 r 1.2 m 5 ntity: 735.9 Y	res No D	Perform. Deficiencies

	ıp:	Beams/MLE's		Length:	2.74 r	m		
Element Nam	e:	Diaphragms – End		Width:	0.19 r	m		
Location:		East and West abutm	ents	Height:	0.46 r	m		
Material:		Steel		Count:	8 (4 p	er Abutment)		
Element Type	:	W Section		Total Qua	ntity: 8			
Environment:		□Benign ☑ Modera	te 🗆 Severe	Inspected	Υ	es 🛛 No 🗆	Limited 🗆	
Protection Sys	stem:	Paint Coating		•			Daufa	Deficiencies
Condition		Units	Exc.	Good	Fair	Poor*	Perform.	Deficiencies
Data:	□m² □ all	□ m 🛭 each 🗆 %		8				00
Comments: Surface rust a	nd paint	peeling off						
Recommend	led Wo	r <b>k</b> : ⊠Rehab □1-5 years	□Replace 図6-10 years	<u> </u>	Maintenanc	e Needs: 00		
Coat diaphrag	gms	□1-5 years	△0 10 year.	3	□Urgent	□1 year	□2 year	
Element Grou	ın.	Beams/MLE's		Longth	Ι.			
Element Nam				I POSTO:	12 7/1 r	n		
	₽.	· · · · · · · · · · · · · · · · · · ·	ediate	Length:	2.74 r			
	e:	Diaphragms – Interm		Width:	0.11 r	n		
Location:	e:	Diaphragms – Interm Entire length of bridg		Width: Height:	0.11 r 0.08 r	n		
Location: Material:		Diaphragms – Interm Entire length of bridg Steel		Width: Height: Count:	0.11 r 0.08 r 44	n		
Location: Material: Element Type	:	Diaphragms – Interm Entire length of bridg Steel Angle	e	Width: Height: Count: Total Qua	0.11 r 0.08 r 44 ntity: 44	n n	Limited ⊠	
Location: Material: Element Type Environment:	:	Diaphragms – Interm Entire length of bridg Steel	e	Width: Height: Count:	0.11 r 0.08 r 44 ntity: 44	n	Limited ⊠	
Location: Material: Element Type Environment: Protection Sys	:	Diaphragms – Interm Entire length of bridg Steel Angle ⊠Benign ☐ Modera	e te 🗆 Severe	Width: Height: Count: Total Qua	0.11 r 0.08 r 44 htity: 44	n n es 🗆 No 🗆		Deficiencies
Location: Material: Element Type Environment:	stem:	Diaphragms – Interm Entire length of bridg Steel Angle	e	Width: Height: Count: Total Qua	0.11 r 0.08 r 44 ntity: 44	n n		Deficiencies 00
Location: Material: Element Type Environment: Protection Sys Condition Data:	: stem:	Diaphragms – Interm Entire length of bridg Steel Angle  ■ Benign ■ Modera  Units	e te 🗆 Severe	Width: Height: Count: Total Qual Inspected:	0.11 r 0.08 r 44 htity: 44	n n es 🗆 No 🗆		
Location: Material: Element Type Environment: Protection Sys	stem:	Diaphragms – Interm Entire length of bridg Steel Angle  ☑ Benign ☐ Modera  Units ☐ m ☑ each ☐ %	e te 🗆 Severe	Width: Height: Count: Total Qual Inspected:	0.11 r 0.08 r 44 htity: 44	n n es 🗆 No 🗆		
Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:  m² all	Diaphragms – Interm Entire length of bridg Steel Angle  Benign  Modera  Units  m  each  %  dition	e te 🗆 Severe	Width: Height: Count: Total Qual Inspected:	0.11 r 0.08 r 44 htity: 44	res  No  Poor*		
Location: Material: Element Type Environment: Protection Sys Condition Data: Comments: Generally in g	stem:  m² all	Diaphragms – Interm Entire length of bridg Steel Angle  Benign  Modera  Units  m  each  %  dition	e te  Severe  Exc.	Width: Height: Count: Total Qual Inspected: Good 44	0.11 r 0.08 r 44 htity: 44 Y	res  No  Poor*		
Location: Material: Element Type Environment: Protection Sys Condition Data: Comments: Generally in g	stem:  m² all	Diaphragms — Interm Entire length of bridg Steel Angle  Benign  Modera  Units  m  each  %  dition	e  te  Severe  Exc.	Width: Height: Count: Total Qual Inspected: Good 44	0.11 r 0.08 r 44 htity: 44 Y	res  No  Poor*		

Element Grou	ıp:	Pier		Length:	1.2 m	ı (approx.)		
Element Nam	e:	Shafts		Width:	9.8 m	ı (approx.)		
Location:		Midspan		Height:	4.0 m	ı (approx.)		
Material:		Concrete		Count:	1			
Element Type	e:	Cast-In-Place		Total Qua	ntity: 88 m <sup>2</sup>	2		
Environment:		☐Benign ☒ Moderat	te 🗆 Severe	Inspected:	Y	'es □ No □	Limited 🛚	
Protection Sys	stem:	N/A					Danfanna	Deficiencies
Condition		Units	Exc.	Good	Fair	Poor*	Perform.	Deficiencies
Data:	⊠m² □ all	☐ m ☐ each ☐ %		58	30			00
Comments:								
Medium scalir	ng at wa	ter line						
Recommend	led Wo		□Replace		Maintenand	e Needs: 00		
		□1-5 years	□6-10 year	S				
					□Urgent	□1 year	□2 year	
Element Grou		Pier		Length:	N/A			
Element Grou		Pier Bearing		Width:	N/A			
Element Nam Location:				Width: Height:				
Element Nam Location: Material:	ie:	Bearing Midspan Steel		Width: Height: Count:	N/A N/A 5			
Element Nam Location: Material: Element Type	e:	Bearing Midspan Steel Plates		Width: Height: Count: Total Quar	N/A N/A 5 ntity: 5			
Element Nam Location: Material: Element Type Environment:	e:	Bearing Midspan Steel Plates  ⊠Benign □ Modera	te □ Severe	Width: Height: Count:	N/A N/A 5 ntity: 5	res □ No □	Limited ⊠	
Element Nam Location: Material: Element Type	e:	Bearing Midspan Steel Plates  Benign Moderat N/A	te 🗆 Severe	Width: Height: Count: Total Qual Inspected:	N/A N/A 5 ntity: 5			Deficiencies
Element Nam Location: Material: Element Type Environment:	e: e: stem:	Bearing Midspan Steel Plates  Benign Moderat N/A Units	te  Severe  Exc.	Width: Height: Count: Total Quar	N/A N/A 5 ntity: 5	'es □ No □ Poor*		Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy:	e: e: stem:	Bearing Midspan Steel Plates  Benign Moderat N/A		Width: Height: Count: Total Qual Inspected:	N/A N/A 5 ntity: 5			Deficiencies 00
Element Nam Location: Material: Element Type Environment: Protection Sys	e: e: stem:	Bearing Midspan Steel Plates  Benign Moderat N/A Units		Width: Height: Count: Total Qual Inspected:	N/A N/A 5 ntity: 5			
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	e: stem:    Mm²   all	Bearing Midspan Steel Plates  Benign Moderat N/A Units	Exc.	Width: Height: Count: Total Qual Inspected:	N/A N/A 5 ntity: 5			
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	e: stem:    Mm²   all	Bearing Midspan Steel Plates  ⊠Benign □ Moderat N/A Units □ m □ each □ %	Exc.	Width: Height: Count: Total Qual Inspected:	N/A N/A 5 ntity: 5	Poor*		
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   all	Bearing Midspan Steel Plates  Benign Moderat N/A Units m each %  e (limited inspection).	Exc.	Width: Height: Count: Total Qual Inspected:	N/A N/A 5 ntity: 5	Poor*		
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   all	Bearing Midspan Steel Plates  Benign Moderat N/A Units m each %  e (limited inspection).	Exc.	Width: Height: Count: Total Qual Inspected: Good	N/A N/A 5 ntity: 5	Poor*		
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   all	Bearing Midspan Steel Plates  Benign Modera N/A Units m each %  e (limited inspection).	Exc.	Width: Height: Count: Total Qual Inspected: Good	N/A N/A 5 ntity: 5	Poor*		

Element Grou					1		
I Flama and Name	•	Joints		Length:	14.7 r	n	
	ie:	Armouring / Ret. Dev		Width:	N/A		
Location:		West and East abutm	ents	Height:	N/A		
Material:		Steel		Count:	2		
Element Type	<b>:</b> :	Angle		Total Qua	<b>ntity:</b> 29.4 r	m	
Environment:		□Benign □ Modera	te 🛛 Severe	Inspected	: Y	es 🛛 No 🗆	Limited □
Protection Sys	stem:	Galvanized		•			
Condition		Units	Exc.	Good	Fair	Poor*	Perform. Deficiencies
Data:	□m²	⊠ m □ each □ %			1 2 2 2 2	1 2 2 2	
Butu.	□all	Z III Z CUCII Z /0		25.1	4.3		00
Comments: Abrasion at SE	E and NV	√ armouring. Partially	paved over cor	ncrete poppin	g out at edges		
Recommend	led Woi	<b>·k:</b> □Rehab	⊠Replace		Maintenanc	e Needs: 00	
		□1-5 years	⊠6-10 year	·s			
Replace/Add	seals	=== 700.0			□Urgent	□1 year	□2 year
replace//lau	Jeans					, , , ,	7
					I		
Element Grou	ıp:	Barriers		Length:	4.1 m		
Element Grou	-	Barriers Parapet Walls - Interi	or	Length: Width:	4.1 m N/A		
	-	Parapet Walls - Interi					
Element Nam	-	Parapet Walls - Interi East and West Wingw		Width:	N/A		
Element Nam Location: Material:	ie:	Parapet Walls - Interi East and West Wingw Concrete		Width: Height: Count:	N/A 1.12 r 4	n	
Element Nam Location: Material: Element Type	e:	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place	valls	Width: Height: Count: Total Qua	N/A 1.12 r 4 ntity: 18.4 r	m m²	Limited □
Element Nam Location: Material: Element Type Environment:	e:	Parapet Walls - Interi East and West Wingw Concrete	valls	Width: Height: Count:	N/A 1.12 r 4 ntity: 18.4 r	n	Limited
Element Nam Location: Material: Element Type Environment: Protection Sy	e:	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place □ Benign □ Modera	valls te ⊠ Severe	Width: Height: Count: Total Qua	N/A 1.12 r 4 ntity: 18.4 r	m m² ′es ⊠ No □	Limited □ Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys	e: :: stem:	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place  Benign Modera  Units	valls	Width: Height: Count: Total Qua	N/A 1.12 r 4 ntity: 18.4 r	m m²	
Element Nam Location: Material: Element Type Environment: Protection Sy	e: e: stem:	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place □ Benign □ Modera	valls te ⊠ Severe	Width: Height: Count: Total Qua	N/A 1.12 r 4 ntity: 18.4 r	m m² ′es ⊠ No □	
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data:	e: :: stem:	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place  Benign Modera  Units	valls te ⊠ Severe	Width: Height: Count: Total Qua Inspected	N/A 1.12 r 4 ntity: 18.4 r • Y	m m² ′es ⊠ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sys	e: e: stem:	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place  Benign Modera  Units	valls te ⊠ Severe	Width: Height: Count: Total Qua Inspected	N/A 1.12 r 4 ntity: 18.4 r • Y	m m² ′es ⊠ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   I	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place Benign Modera  Units m each %	te 🛭 Severe	Width: Height: Count: Total Qua Inspected  Good  9.2	N/A 1.12 r 4 ntity: 18.4 r Fair 9.2	m m² ′es ⊠ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   I	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place  Benign Modera  Units	te 🛭 Severe	Width: Height: Count: Total Qua Inspected  Good  9.2	N/A 1.12 r 4 ntity: 18.4 r Fair 9.2	m m² ′es ⊠ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   I	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place Benign Modera  Units m each %	te 🛭 Severe	Width: Height: Count: Total Qua Inspected  Good  9.2	N/A 1.12 r 4 ntity: 18.4 r Fair 9.2	m m² ′es ⊠ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   I	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place Benign Modera  Units m each %	te 🛭 Severe	Width: Height: Count: Total Qua Inspected  Good  9.2	N/A 1.12 r 4 ntity: 18.4 r Fair 9.2	m m² ′es ⊠ No □	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments: Light to media	stem:    Mm²   all	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place Benign Modera Units m each %	te Severe  Exc.  with coarse agg	Width: Height: Count: Total Qua Inspected  Good  9.2	N/A 1.12 r 4 ntity: 18.4 r Fair 9.2	m  m² fes ⊠ No □  Poor*	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments:	stem:    Mm²   all	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place Benign Modera Units m each %	te ⊠ Severe  Exc.  with coarse agg	Width: Height: Count: Total Qua Inspected  Good  9.2	N/A 1.12 r 4 ntity: 18.4 r Fair 9.2	m  m² fes ⊠ No □  Poor*	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments: Light to media	stem:    Mm²   all	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place Benign Modera Units m each %	te Severe  Exc.  with coarse agg	Width: Height: Count: Total Qua Inspected  Good  9.2	N/A 1.12 r 4 ntity: 18.4 r Fair 9.2  Maintenanc	m  m²  les ⊠ No □  Poor*  e Needs: 00	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments: Light to media	stem:    Mm²   all	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place Benign Modera Units m each %	te ⊠ Severe  Exc.  with coarse agg	Width: Height: Count: Total Qua Inspected  Good  9.2	N/A 1.12 r 4 ntity: 18.4 r Fair 9.2	m  m² fes ⊠ No □  Poor*	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy: Condition Data: Comments: Light to media	stem:    Mm²   all	Parapet Walls - Interi East and West Wingw Concrete Cast-in-Place Benign Modera Units m each %	te ⊠ Severe  Exc.  with coarse agg	Width: Height: Count: Total Qua Inspected  Good  9.2	N/A 1.12 r 4 ntity: 18.4 r Fair 9.2  Maintenanc	m  m²  les ⊠ No □  Poor*  e Needs: 00	Perform. Deficiencies

	ıp:	Barriers		Length:	4.1 m		
Element Nam	ie:	Parapet Walls - Exteri	or	Width:	N/A		
Location:		East and West Wingw	alls	Height:	1.12 r	n	
Material:		Concrete		Count:	4		
Element Type	2:	Cast-in-Place		Total Qua	<b>ntity:</b> 18.4 r	n²	
Environment:		☐Benign ☐ Moderat	te 🛛 Severe	Inspected:	: <b>Y</b>	es 🛛 No 🗆	Limited □
Protection Sy	stem:						Perform. Deficiencies
Condition		Units	Exc.	Good	Fair	Poor*	Perform. Deliciencies
Data:	⊠m² □ all	☐ m ☐ each ☐ %		9.2	9.2		00
Comments:							
Light to medi	um scalir	ng noted throughout w	vith coarse aggi	egates expos	ed		
Recommend	ded Wo		□Replace		Maintenanc	e Needs: 00	
<del>                                     </del>		□1-5 years	□6-10 years	<b>)</b>	□Urgent	□1 year	□2 year
					Orgent	□1 yeai	□z yeai
Element Grou	ıp:	Barriers		Length:	3.07 r	n	
Element Grou	•			Length:		m	
	•	Barriers Railing Systems North and South			3.07 r N/A 1.07 r		
Element Nam	•	Railing Systems		Width:	N/A 1.07 r		
Element Nam Location:	ne:	Railing Systems North and South		Width: Height:	N/A 1.07 r 60 (30	n ) per side)	
Element Nam Location: Material:	ne:	Railing Systems North and South Steel	te 🛭 Severe	Width: Height: Count:	N/A 1.07 r 60 (30 ntity: 184.2	n ) per side)	Limited □
Element Nam Location: Material: Element Type	e:	Railing Systems North and South Steel Bar	te ⊠ Severe	Width: Height: Count: Total Quar	N/A 1.07 r 60 (30 ntity: 184.2	m D per side) m	
Element Nam Location: Material: Element Type Environment:	e:	Railing Systems North and South Steel Bar  Benign Modera	te 🛭 Severe	Width: Height: Count: Total Quar	N/A 1.07 r 60 (30 ntity: 184.2	m D per side) m	Limited □ Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy	e: e: stem:	Railing Systems North and South Steel Bar  Benign Moderat Galvanized		Width: Height: Count: Total Qual	N/A 1.07 r 60 (30 ntity: 184.2	m D per side) m es 🛛 No 🗆	
Element Nam Location: Material: Element Type Environment: Protection Sy Condition	e: e: estem:	Railing Systems North and South Steel Bar  Benign Moderat Galvanized Units		Width: Height: Count: Total Qual Inspected:	N/A 1.07 r 60 (30 ntity: 184.2 Y	n Diper side) m es 🖾 No 🗆  Poor*	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data: Comments:	e: :: :sstem:  m²	Railing Systems North and South Steel Bar Benign Moderar Galvanized Units M m each M	Exc.	Width: Height: Count: Total Qual Inspected: Good 176.2	N/A 1.07 r 60 (30 ntity: 184.2 Y Fair 4	n Diper side) m es 🖾 No 🗆  Poor*	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data: Comments:	e: :: :sstem:  m²	Railing Systems North and South Steel Bar  Benign Moderat Galvanized Units	Exc.	Width: Height: Count: Total Qual Inspected: Good 176.2	N/A 1.07 r 60 (30 ntity: 184.2 Y Fair 4	n Diper side) m es 🖾 No 🗆  Poor*	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data: Comments:	e: :: :sstem:  m²	Railing Systems North and South Steel Bar Benign Moderar Galvanized Units M m each M	Exc.	Width: Height: Count: Total Qual Inspected: Good 176.2	N/A 1.07 r 60 (30 ntity: 184.2 Y Fair 4	n Diper side) m es 🖾 No 🗆  Poor*	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data: Comments:	e: :: :sstem:  m²	Railing Systems North and South Steel Bar Benign Moderar Galvanized Units M m each M	Exc.	Width: Height: Count: Total Qual Inspected: Good 176.2	N/A 1.07 r 60 (30 ntity: 184.2 Y Fair 4	n Diper side) m es 🖾 No 🗆  Poor*	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data: Comments: Barrier railing	e: : :stem:    m²   all	Railing Systems North and South Steel Bar Benign Moderar Galvanized Units M m each %	<b>Exc.</b> Deen knocked o	Width: Height: Count: Total Qual Inspected: Good 176.2	N/A 1.07 r 60 (30 ntity: 184.2 Y Fair 4	n D per side) m es 🗵 No 🗆 Poor* 4	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data: Comments:	e: : :stem:    m²   all	Railing Systems North and South Steel Bar Benign Moderat Galvanized Units M each %  here steel posts have beres.	Exc.  Deen knocked o	Width: Height: Count: Total Quai Inspected: Good 176.2	N/A 1.07 r 60 (30 ntity: 184.2 Y Fair 4	n D per side) m es 🗵 No 🗆 Poor* 4	Perform. Deficiencies
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data:  Comments: Barrier railing	e: : :stem:    m²   all	Railing Systems North and South Steel Bar Benign Moderar Galvanized Units M m each %	<b>Exc.</b> Deen knocked o	Width: Height: Count: Total Quai Inspected: Good 176.2	N/A 1.07 r 60 (30 ntity: 184.2 Y Fair 4 Maintenance	Poor*  4  Per Needs: 18	Perform. Deficiencies  00
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data:  Comments: Barrier railing	e: : :stem:    m²   all	Railing Systems North and South Steel Bar Benign Moderat Galvanized Units M each %  here steel posts have beres.	Exc.  Deen knocked o	Width: Height: Count: Total Quai Inspected: Good 176.2	N/A   1.07 r   60 (30   184.2   Y   Fair   4   Maintenanc   Urgent	Poor*  4  Place Needs: 18    1 year	Perform. Deficiencies  00
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data:  Comments: Barrier railing	e: : :stem:    m²   all	Railing Systems North and South Steel Bar Benign Moderat Galvanized Units M each %  here steel posts have beres.	Exc.  Deen knocked o	Width: Height: Count: Total Quai Inspected: Good 176.2	N/A 1.07 r 60 (30 ntity: 184.2 Y Fair 4 Maintenance	Poor*  4  Place Needs: 18    1 year	Perform. Deficiencies  00

EL 10		· ·			0.00						
· · · · · · · · · · · · · · · · · · ·		Barriers		Length:	_						
		Posts		Width:							
Location:		North and South		Height:	1.1 m						
Material:		Steel		Count:	62 (31 per side)						
Element Type:		HSS Section		_	Total Quantity: 62						
Environment:		☐Benign ☒ Moderate ☐ Severe		Inspected	Inspected: Yes ⊠ No □		Limited				
Protection System: Galvanized											
Condition		Units	Exc.	Good	Fair	Poor*	Perform. Deficiencies				
Data:	□m² □ all	□ m 図 each □ %		7	44	11	01/08				
Comments:  Two posts at SE quadrant are out of alignment with damaged deck connections. Post caps missing on several posts. Several posts are cracked along their height.											
Recommended Work: □Rehab □1-5 years			□Replace □6-10 years		Maintenance Needs: 03/08						
					⊠Urgent	□1 year	□2 year				
					Repair post/deck connection. Replace missing post caps. Repair out of alignment railing posts						
Element Grou	ıp:	Sidewalks / Curbs		Length:	100.7	m					
Element Name:		Sidewalks		Width:	0.94 m						
Location:		North and South		Height:	0.25 m						
Material:		Concrete		Count:	2						
Element Type	:	Cast-in-Place		Total Quantity: 239.7 m <sup>2</sup>							
Environment:		☐Benign ☒ Moderate ☐ Severe		Inspected			Limited □				
Protection Sys	stem:			· ·							
Condition		Units	Exc.	Good	Fair	Poor*	Perform. Deficiencies				
Data:	□m² □ all	⊠ m □ each □ %		235.3	2.2	2.2	08				
Comments:			<u> </u>								
Spalled concre	ete obse	rved on top of curb at	dislocated guid	e rail post							
Recommended Work		<b>∢:</b> ⊠Rehab □Replace			Maintenance Needs: 00						
Recommended work: ⊠Renab  □1-5 years			⊠6-10 years								
Patch snalled	areas or	n concrete curb	△ O TO years	•	□Urgent	□1 year	□2 year				
i atch spaneu	ui cas Ul	i concrete curb				ycai					

Element Grou	ıp:	Coatings		Length:	2.0 m							
Element Name:		Structural Steel – Girder Ends		Width:	0.51 n	n						
Location:		East and West		Height:	0.9 m							
Material:		Paint		Count:	10							
Element Type:				Total Quai	<b>ntity:</b> 66.6 n	n <sup>2</sup>						
Environment:		☐Benign ☑ Moderate ☐ Severe		Inspected:	Y	es 🛛 No 🗆	Limited □					
Protection Sy	stem:						Danfanna Dafiaianaiaa					
Condition		Units	Exc.	Good	Fair	Poor*	Perform. Deficiencies					
Data:	□m² □ all	⊠ m □ each □ %		56.6	5	5	00					
Comments:												
Category 4 (very severe) rust noted along edges of top flange and localized areas of bottom flange.												
Recommend	led Woı	r <b>k:</b> ⊠Rehab		Maintenance								
		□1-5 years	□Replace 図6-10 year	rs .								
Coat girder er	nds				☐Urgent ☐1 year		□2 year					
Element Grou	-	Coatings		Length:	88.4 n							
Element Nam	-	Structural Steel – Giro	der Middle	Width:	0.51 n							
Element Nam Location:	-	Structural Steel – Giro East and West	der Middle	Width: Height:	0.51 n 1.2 m							
Element Nam Location: Material:	ie:	Structural Steel – Giro	der Middle	Width: Height: Count:	0.51 n 1.2 m 5	n						
Element Nam Location: Material: Element Type	e:	Structural Steel – Giro East and West Paint		Width: Height: Count: Total Quar	0.51 n 1.2 m 5 ntity: 1472 i	n m²						
Element Nam Location: Material: Element Type Environment:	e:	Structural Steel – Giro East and West		Width: Height: Count:	0.51 n 1.2 m 5 ntity: 1472 i	n	Limited ⊠					
Element Nam Location: Material: Element Type Environment: Protection Sy	e:	Structural Steel – Gird East and West Paint  Benign  Modera	te □ Severe	Width: Height: Count: Total Qual Inspected:	0.51 n 1.2 m 5 ntity: 1472 i	m²						
Element Nam Location: Material: Element Type Environment: Protection Sy Condition	e: e: stem:	Structural Steel – Gird East and West Paint  Benign Modera  Units		Width: Height: Count: Total Quar	0.51 n 1.2 m 5 ntity: 1472 i	n m²	Limited ⊠  Perform. Deficiencies					
Element Nam Location: Material: Element Type Environment: Protection Sy	e: e: stem:	Structural Steel – Gird East and West Paint  Benign  Modera	te □ Severe	Width: Height: Count: Total Qual Inspected:	0.51 n 1.2 m 5 ntity: 1472 i	m²						
Element Nam Location: Material: Element Type Environment: Protection Sy Condition	e: e: stem:	Structural Steel – Gird East and West Paint  Benign Modera  Units	te □ Severe	Width: Height: Count: Total Qual Inspected:	0.51 n 1.2 m 5 ntity: 1472 r Y	m² es □ No □  Poor*	Perform. Deficiencies					
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data: Comments:	stem:	Structural Steel – Gird East and West Paint  Benign Modera  Units  m each Modera	te  Severe  Exc.	Width: Height: Count: Total Qual Inspected: Good 1397	0.51 n 1.2 m 5 ntity: 1472 n Y Fair 37.5	m² es □ No □  Poor*  37.5	Perform. Deficiencies					
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data: Comments:	stem:	Structural Steel – Gird East and West Paint  Benign Modera  Units	te  Severe  Exc.	Width: Height: Count: Total Qual Inspected: Good 1397	0.51 n 1.2 m 5 ntity: 1472 n Y Fair 37.5	m² es □ No □  Poor*  37.5	Perform. Deficiencies					
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data: Comments:	stem:	Structural Steel – Gird East and West Paint  Benign Modera  Units  m each Modera	te  Severe  Exc.	Width: Height: Count: Total Qual Inspected: Good 1397	0.51 n 1.2 m 5 ntity: 1472 n Y Fair 37.5	m² es □ No □  Poor*  37.5	Perform. Deficiencies					
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data:  Comments: Category 4 (ve	stem:   m²   all	Structural Steel — Gird East and West Paint  Benign Modera  Units  m each %	te □ Severe  Exc.  dges of top flan	Width: Height: Count: Total Qual Inspected: Good 1397	0.51 n 1.2 m 5 ntity: 1472 n Y Fair 37.5	Poor* 37.5	Perform. Deficiencies					
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data: Comments:	stem:   m²   all	Structural Steel — Gird East and West Paint  Benign  Modera  Units  m  each  %  re) rust noted along ed	te Severe  Exc.  dges of top flan	Width: Height: Count: Total Quai Inspected: Good 1397	0.51 n 1.2 m 5 ntity: 1472 n Y Fair 37.5	Poor* 37.5	Perform. Deficiencies					
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data:  Comments: Category 4 (ve	e: stem: m² all ery sever	Structural Steel — Gird East and West Paint  Benign Modera  Units  m each %	te □ Severe  Exc.  dges of top flan	Width: Height: Count: Total Quai Inspected: Good 1397	0.51 n 1.2 m 5 ntity: 1472 n Y Fair 37.5  Maintenance	Poor* 37.5 com flange.	Perform. Deficiencies  00					
Element Nam Location: Material: Element Type Environment: Protection Sy Condition Data:  Comments: Category 4 (ve	e: stem: m² all ery sever	Structural Steel — Gird East and West Paint  Benign  Modera  Units  m  each  %  re) rust noted along ed	te Severe  Exc.  dges of top flan	Width: Height: Count: Total Quai Inspected: Good 1397	0.51 n 1.2 m 5 ntity: 1472 n Y Fair 37.5	Poor* 37.5	Perform. Deficiencies					



Photo 1: Structure Looking West



Photo 2: Structure Looking East



Photo 3: North Elevation



**Photo 4: South Elevation** 



Photo 5: East Expansion Joint



Photo 6: West Expansion Joint



Photo 7: North Rail



Photo 8: South Rail



Photo 9: Wearing Surface at Structure



Photo 10: Potholes at Wearing Surface at Structure



Photo 11: NW Wingwall



Photo 12: NE Wingwall



Photo 13: SE Wingwall



Photo 14: SW Elevation



Photo 15: West Abutment



Photo 16: East Abutment



Photo 17: West Diaphragm



Photo 18: East Diaphragm



Photo 19: Pier - West Face



Photo 20: Pier - East Face



Photo 21: Crack at NW Fascia



Photo 22: Coating Peeling Off at Bottom of Girders Bolted Connection



Photo 23: Coating Peeling Off at Bottom of Girders



Photo 24: Rust Stains at midspan of Soffit



Photo 25: Split at North Rail Post



Photo 26: Missing Post Cap at Several Posts



Photo 27: Deflected Post at SE Quadrant



Photo 28: Damaged Guide Rail at NW Quadrant