

APPENDIX

C STRUCTURAL INVESTIGATION REPORT AND SITE PHOTOGRAPHS



Bosworth Bridge (B007028)

MTO Structure Number 35-104

Wellington Road 7, 0.9 km E of Wellington Road 11

WSP Group Canada Limited

Municipal Structure Inspection Form

County Site Number:

B007028

MTO Site Number:

35-104

BCI:

60.10

Condition:

Fair

Inventory Data:

Structure Name:	Bosworth Bridge										
Main Hwy/Road #	7	On	<input checked="" type="checkbox"/>	Crossing	Navig. Water	<input checked="" type="checkbox"/>	Non-Navig Water	<input type="checkbox"/>			
		Under	<input type="checkbox"/>	Type:	Rail	<input type="checkbox"/>	Ped.	<input type="checkbox"/>			
					Road	<input type="checkbox"/>	Other	<input type="checkbox"/>			
Road Name	Wellington Road 7										
Structure Location	0.9 km E of Wellington Road 11										
Latitude	43.783227				Longitude	-80.636893					
Owner(s)	Wellington County				Heritage	Not Cons.	<input checked="" type="checkbox"/>	Cons. /not App	<input type="checkbox"/>		
					Designation	List/not Desig.	<input type="checkbox"/>	Desig./not List	<input type="checkbox"/>		
								Desig. & List	<input type="checkbox"/>		
MTO Region *	Southwest				Road	Freeway	<input type="checkbox"/>	Collector	<input type="checkbox"/>		
					Class	Arterial	<input checked="" type="checkbox"/>	Local	<input type="checkbox"/>		
MTO District *	Central Region				Posted Speed	80		No. of Lanes:	2		
Current County*	Wellington				AADT	4569/2015		% Trucks	5.00%		
Geographic Twp. *	Mapleton				Special	Transit	<input type="checkbox"/>	School	<input checked="" type="checkbox"/>		
					Routes:	Truck	<input type="checkbox"/>	Bicycle	<input type="checkbox"/>		
Structure Type*	Half-Through Truss				Detour Length	23.5 (km)					
Total Deck Length	42.1 (m)				Fill on Structure	0 (m)					
Overall Str. Width	8.6 (m)				Skew Angle	0 (degrees)					
Total Deck Area	363 (sq. m)				Direction of Structure	East - West					
Roadway Width	7.5 (m)				No. of Spans	1					
Span Lengths.	41.0										(m)

Historical Data:

Year Built	1949	Last Biennial Inspection	Nov-2017
Current Load Limit		Last BridgeMaster Inspection	2019
Load Limit By-Law #		Last Evaluation	2008
By-Law Expiry Date		Last Underwater Inspection	
Min. Vertical Clearance		Last Condition Survey	2008

Rehab History : (Date/description)

1987 - Overlay, waterproof and pave deck; replace expansion joints; coat steel
 2008 - install braces at compression diagonals to improve load capacity
 2013 - Shim plates installed underneath rocker bearing to level the deck with the ballast wall

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Field Inspection Information:

Date of Inspection:	September 24, 2019
Inspector:	Pouya Pourbeik, WSP
Others in Party:	Christophe Chan Sing, WSP
Equipment Used:	Camera, Hammer, Tape
Weather	Sunny
Temperature	18°C

Additional Investigations Required	Priority			Estimated Cost
	None	Normal	Urgent	
Detailed Deck Condition Survey:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	\$15,000
DART Survey:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$0
Detailed Coating Condition Survey:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$0
Underwater Investigation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$0
Steel Inspection:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$0
Seismic Investigation:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$0
Structure Evaluation:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Load Posting - Estimated Load	0	Total Cost		\$15,000

Special Notes:

Next Detailed Inspection: 24-Sep-21

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Repair and Rehabilitation Required	Priority				Estimated Construction Cost
	6-10 years	1 - 5 years	Within 1 year	Urgent	
Apply three part coating	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$150,000.00
Superstructure rehabilitation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$100,000.00
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Total Cost					\$250,000.00

Associated Work:	Comments	Estimated Cost
Approaches		
Detours		
Traffic Control		
Utilities		
Right of Way		
Environmental Study		
Other		
Engineering Design and CA		\$50,000.00
Contingencies		\$50,000.00
Total Cost		\$100,000.00

Justification

Bridge requires rehabilitation to preserve remaining service life

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Element Group	100					Length	40.97	
Element Name	101					Width	7.50	
Location							Height	
Material	Cast-in-place concrete						Count	1
Element Type					Element code	N/A	Total Qty.	307.28
Environment	Severe						Limited Insp.	
Protection System	None						Suspected Performance Deficiencies	
Condition Data	Units	Ex.	Good	Fair	Poor	16 Other		
	Sq. m.	0	296.28	9.00	2.00			

Comments:

Medium width transverse and longitudinal cracks

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	Urgent	<input type="checkbox"/>	1 year <input type="checkbox"/>

Element Group	100					Length	40.97	
Element Name	103					Width		
Location	Exterior						Height	1.20
Material	Cast-in-place concrete						Count	2
Element Type					Element code	N/A	Total Qty.	98.33
Environment	Low						Limited Insp.	
Protection System	None						Suspected Performance Deficiencies	
Condition Data	Units	Ex.	Good	Fair	Poor	16 Other		
	Sq. m.	0	16.33	41.00	41.00			

Comments:

Spalls/delaminations along the exterior soffit with exposed reinforcing and rust staining

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	Urgent	<input type="checkbox"/>	1 year <input type="checkbox"/>

Element Group	100					Length	39.00	
Element Name	103					Width	7.50	
Location	Interior						Height	
Material	Cast-in-place concrete						Count	1
Element Type					Element code	N/A	Total Qty.	292.50
Environment	Low						Limited Insp.	
Protection System	None						Suspected Performance Deficiencies	
Condition Data	Units	Ex.	Good	Fair	Poor	16 Other		
	Sq. m.	0	266.50	18.00	8.00			

Comments:

Delaminations with exposed reinforcing at deck ends
 Small delaminations/spalls with exposed reinforcing at midspan

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	Urgent	<input type="checkbox"/>	1 year <input type="checkbox"/>

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Element Group	100						Length		
Element Name	106						Width		
Location									
Material	Steel								
Element Type		code	4				Height		
Environment	Low							Count	
Protection System	None							Total Qnty.	8
Condition Data	Units	Ex.	Good	Fair	Poor	Limited Insp.			
	Each	0	0	8	0	Suspected Performance Deficiencies			
						16	Other		

8Comments:

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	6-10 yrs	<input type="checkbox"/>	Urgent <input type="checkbox"/> 1 year <input type="checkbox"/>

Element Group	200						Length		
Element Name	201						Width		
Location									
Material									
Element Type		Element code	N/A				Height		
Environment	Low							Count	2
Protection System	None							Total Qnty.	2
Condition Data	Units	Ex.	Good	Fair	Poor	Limited Insp.			
	Each	0	2	0		Suspected Performance Deficiencies			
						16	Other		

Comments:

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	6-10 yrs	<input type="checkbox"/>	Urgent <input type="checkbox"/> 1 year <input type="checkbox"/>

Element Group	200						Length	7.50	
Element Name	202						Width	0.27	
Location									
Material	Cast-in-place concrete								
Element Type		Element code	N/A				Height		
Environment	Severe							Count	4
Protection System	None							Total Qnty.	8.10
Condition Data	Units	Ex.	Good	Fair	Poor	Limited Insp.			
	Sq. m.	0	6.60	1.00	0.50	Suspected Performance Deficiencies			
						16	Other		

Comments:

Small spalls with scaling on east end dam

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	6-10 yrs	<input type="checkbox"/>	Urgent <input type="checkbox"/> 1 year <input type="checkbox"/>

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Element Group	200						Length	7.50	
Element Name	203						Width		
Location								Height	
Material	Steel							Count	8
Element Type						Element code	N/A	Total Qty.	60.00
Environment	Severe							Limited Insp.	
Protection System	None							Suspected Performance Deficiencies	
Condition Data	Units	Ex.	Good	Fair	Poor				
	m.	0	60.00	0	0	16	Other		

Comments:

Recommended Work:

Rehab

☐

Replace

☐

Maint. Needs

18

Other

Urgent

☐

1-5 yrs

☐

6-10 yrs

☐

Urgent

☐

1 year

☐

Element Group	400						Length	384.00	
Element Name	402						Width		
Location								Height	
Material	Steel							Count	
Element Type						Element code	10	Total Qty.	384.00
Environment	Severe							Limited Insp.	
Protection System	None							Suspected Performance Deficiencies	
Condition Data	Units	Ex.	Good	Fair	Poor				
	m.	0.00	374.00	5.00	5.00	16	Other		

Comments:

Several broken posts

Recommended Work:

Rehab

☐

Replace

☐

Maint. Needs

18

Other

Urgent

☐

1-5 yrs

☐

6-10 yrs

☐

Urgent

☐

1 year

☐

Element Group	400						Length	4.84	
Element Name	402						Width		
Location								Height	1.00
Material	Cast-in-place concrete							Count	4
Element Type						Element code	6	Total Qty.	19.35
Environment	Severe							Limited Insp.	
Protection System	None							Suspected Performance Deficiencies	
Condition Data	Units	Ex.	Good	Fair	Poor				
	m.	0	0	9.68	9.68	16	Other		

Comments:

Spalls/delaminations with exposed reinforcing

Recommended Work:

Rehab

☐

Replace

☐

Maint. Needs

18

Other

Urgent

☐

1-5 yrs

☐

6-10 yrs

☐

Urgent

☐

1 year

☐

Municipal Structure Inspection Form

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Element Group	400				
Element Name	402				
Location					
Material	Steel				
Element Type		Element code	22		
Environment	Severe				
Protection System	None				
Condition Data	Units	Ex.	Good	Fair	Poor
	m.	0	76.94	3.00	2.00

Length	40.97
Width	
Height	
Count	2
Total Qty.	81.94
Limited Insp.	
Suspected Performance Deficiencies	
16	Other

Comments:

Rusting throughout (>95% coating failure) with minor impact damage

Recommended Work:

Rehab

☐

Replace

☐

Maint. Needs

18

Other

Urgent

☐

1-5 yrs

☐

6-10 yrs

☐

Urgent

☐

1 year

☐

Element Group	500				
Element Name	502				
Location	End				
Material	Steel				
Element Type		Element code	3		
Environment	Low				
Protection System	None				
Condition Data	Units	Ex.	Good	Fair	Poor
	Sq. m.	0	32.38	4.00	0

Length	8.50
Width	0.26
Height	0.68
Count	2
Total Qty.	36.38
Limited Insp.	
Suspected Performance Deficiencies	
16	Other

Comments:

Recommended Work:

Rehab

☐

Replace

☐

Maint. Needs

18

Other

Urgent

☐

1-5 yrs

☐

6-10 yrs

☐

Urgent

☐

1 year

☐

Element Group	500				
Element Name	502				
Location	Intermediate				
Material	Steel				
Element Type		Element code	3		
Environment	Low				
Protection System	None				
Condition Data	Units	Ex.	Good	Fair	Poor
	Sq. m.	0	111.33	16.00	0

Length	8.50
Width	0.26
Height	0.68
Count	7
Total Qty.	127.33
Limited Insp.	
Suspected Performance Deficiencies	
16	Other

Comments:

Recommended Work:

Rehab

☐

Replace

☐

Maint. Needs

18

Other

Urgent

☐

1-5 yrs

☐

6-10 yrs

☐

Urgent

☐

1 year

☐

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County Site Number

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MTO Site Number

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Element Group	500					Length	
Element Name	503					Width	
Location	End					Height	
Material	Steel					Count	10
Element Type		Element code	3		Total Qty.	10	
Environment	Low					Limited Insp.	
Protection System	None					Suspected Performance Deficiencies	
Condition Data	Units	Ex.	Good	Fair	Poor	16	Other
	Each	0	8	2	0		

Comments:

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	Urgent	<input type="checkbox"/>	1 year <input type="checkbox"/>

Element Group	500					Length	
Element Name	503					Width	
Location	Intermediate					Height	
Material	Steel					Count	30
Element Type		Element code	3		Total Qty.	30	
Environment	Low					Limited Insp.	
Protection System	None					Suspected Performance Deficiencies	
Condition Data	Units	Ex.	Good	Fair	Poor	16	Other
	Each	0	23	7	0		

Comments:

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	Urgent	<input type="checkbox"/>	1 year <input type="checkbox"/>

Element Group	600					Length	42.52
Element Name	601					Width	1.10
Location						Height	0.41
Material	Steel					Count	2
Element Type		Element code	2		Total Qty.	162.43	
Environment	Low					Limited Insp.	
Protection System	None					Suspected Performance Deficiencies	
Condition Data	Units	Ex.	Good	Fair	Poor	16	Other
	Sq. m.	0	145.93	16.50	0		

Comments:

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	Urgent	<input type="checkbox"/>	1 year <input type="checkbox"/>

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Element Group	600				
Element Name	602				
Location					
Material	Steel				
Element Type		Element code	3		
Environment	Low				
Protection System	None				
Condition	Units	Ex.	Good	Fair	Poor
Data	Sq. m.	0	62.05	17.00	0

Length	41.00
Width	0.33
Height	0.31
Count	1
Total Qty.	79.05
Limited Insp.	
Suspected Performance Deficiencies	
16	Other

Comments:

Recommended Work:

Rehab

☐

Replace

☐

Maint. Needs

18

Other

Urgent

☐

1-5 yrs

☐

6-10 yrs

☐

Urgent

☐

1 year

☐

Element Group	600				
Element Name	603				
Location					
Material	Steel				
Element Type		Element code	2		
Environment	Low				
Protection System	None				
Condition	Units	Ex.	Good	Fair	Poor
Data	Sq. m.	0	104.96	46.00	0

Length	6.80
Width	0.32
Height	0.31
Count	12
Total Qty.	150.96
Limited Insp.	
Suspected Performance Deficiencies	
16	Other

Comments:

Recommended Work:

Rehab

☐

Replace

☐

Maint. Needs

18

Other

Urgent

☐

1-5 yrs

☐

6-10 yrs

☐

Urgent

☐

1 year

☐

Element Group	600				
Element Name	603				
Location					
Material	Steel				
Element Type		Element code	2		
Environment	Low				
Protection System	None				
Condition	Units	Ex.	Good	Fair	Poor
Data	Sq. m.	0	75.78	33.00	0

Length	4.20
Width	0.31
Height	0.32
Count	14
Total Qty.	108.78
Limited Insp.	
Suspected Performance Deficiencies	
16	Other

Comments:

Recommended Work:

Rehab

☐

Replace

☐

Maint. Needs

18

Other

Urgent

☐

1-5 yrs

☐

6-10 yrs

☐

Urgent

☐

1 year

☐

Municipal Structure Inspection Form

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Element Group	600					Length	2.30	
Element Name	603					Width	0.10	
Location							Height	0.08
Material	Steel						Count	8
Element Type					Element code	2	Total Qty.	9.20
Environment	Low						Limited Insp.	
Protection System	None						Suspected Performance Deficiencies	
Condition Data	Units	Ex.	Good	Fair	Poor	16	Other	
	Sq. m.	9.20	0	0	0			

Comments:

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	Urgent	<input type="checkbox"/>	1 year <input type="checkbox"/>

Element Group	600					Length		
Element Name	604					Width		
Location							Height	
Material	Steel						Count	16
Element Type					Element code	1	Total Qty.	16
Environment	Moderate						Limited Insp.	
Protection System	None						Suspected Performance Deficiencies	
Condition Data	Units	Ex.	Good	Fair	Poor	16	Other	
	Each	0	16	0	0			

Comments:

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	Urgent	<input type="checkbox"/>	1 year <input type="checkbox"/>

Element Group	800					Length		
Element Name	801					Width		
Location							Height	
Material	Steel						Count	
Element Type					Element code	4	Total Qty.	674.12
Environment	Moderate						Limited Insp.	
Protection System	None						Suspected Performance Deficiencies	
Condition Data	Units	Ex.	Good	Fair	Poor	16	Other	
	Sq. m.	0	0	150.12	524.00			

Comments:

Coating failure on most exposed elements

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	Urgent	<input type="checkbox"/>	1 year <input type="checkbox"/>

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Element Group	900					Length	9.50		
Element Name	901					Width			
Location							Height	2.50	
Material	Cast-in-place concrete						Count	2	
Element Type		Element code	1					Total Qty.	47.50
Environment	Low						Limited Insp.		
Protection System	None						Suspected Performance Deficiencies		
Condition Data	Units	Ex.	Good	Fair	Poor				
	Sq. m.	0	27.50	10.00	10.00	16	Other		

Comments:

Narrow to medium cracks with efflorescence

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	6-10 yrs	<input type="checkbox"/>	Urgent <input type="checkbox"/> 1 year <input type="checkbox"/>

Element Group	900					Length			
Element Name	903					Width	3.00		
Location							Height	3.65	
Material	Cast-in-place concrete						Count	4	
Element Type		Element code	6					Total Qty.	21.90
Environment	Low						Limited Insp.		
Protection System	None						Suspected Performance Deficiencies		
Condition Data	Units	Ex.	Good	Fair	Poor				
	Sq. m.	0	10.90	7.00	4.00	16	Other		

Comments:Southeast wingwall has large crack at abutment
Cracks, patches and light scaling throughout

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	6-10 yrs	<input type="checkbox"/>	Urgent <input type="checkbox"/> 1 year <input type="checkbox"/>

Element Group	1400					Length	0		
Element Name	1402					Width			
Location							Height		
Material							Count		
Element Type		code	N/A					Total Qty.	4
Environment	Low						Limited Insp.		
Protection System	None						Suspected Performance Deficiencies		
Condition Data	Units	Ex.	Good	Fair	Poor				
	Each	0	2	0	2	16	Other		

Comments:

Evidence of erosion at west embankments

Recommended Work:	Rehab	<input type="checkbox"/>	Replace	<input type="checkbox"/>	Maint. Needs	18	Other
	Urgent	<input type="checkbox"/>	1-5 yrs	<input type="checkbox"/>	6-10 yrs	<input type="checkbox"/>	Urgent <input type="checkbox"/> 1 year <input type="checkbox"/>

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Element Group	1400						Length		
Element Name	1401						Width		
Location									
Material									
Element Type		code	N/A				Height		
Environment	Low							Count	
Protection System	None							Total Qty.	1
Condition Data	Units	Ex.	Good	Fair	Poor	Limited Insp.			
	All	0	1	0	0	Suspected Performance Deficiencies			
						16	Other		

Comments:

Recommended Work:

Rehab

☐

Replace

☐

Maint. Needs

18

Other

Urgent

☐

1-5 yrs

☐

6-10 yrs

☐

Urgent

☐

1 year

☐

Element Group	1600						Length	10.00	
Element Name	1601						Width	7.50	
Location									
Material	Asphalt								
Element Type		Element code	N/A				Height		
Environment	Severe							Count	1
Protection System	None							Total Qty.	75.00
Condition Data	Units	Ex.	Good	Fair	Poor	Limited Insp.			
	Sq. m.	0	65.00	10.00	0	Suspected Performance Deficiencies			
						16	Other		

Comments:

Medium width transverse and longitudinal cracks

Recommended Work:

Rehab

☐

Replace

☐

Maint. Needs

18

Other

Urgent

☐

1-5 yrs

☐

6-10 yrs

☐

Urgent

☐

1 year

☐

STRUCTURE PHOTOGRAPHSSHEET 1 OF 10STRUCTURE NAME Bosworth BridgeSTRUCTURE NUMBER B007028

Date	Sept. 24, 2019	Description	West Approach
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Date	Sept. 24, 2019	Description	Asphalt Wearing Surface
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STRUCTURE PHOTOGRAPHSSHEET 2 OF 10STRUCTURE NAME Bosworth BridgeSTRUCTURE NUMBER B007028

Date	Sept. 24, 2019	Description	General View looking East
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Date	Sept. 24, 2019	Description	General View looking South
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STRUCTURE PHOTOGRAPHSSHEET 3 OF 10STRUCTURE NAME Bosworth BridgeSTRUCTURE NUMBER B007028

Date	Sept. 24, 2019	Description	General View looking West
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Date	Sept. 24, 2019	Description	North Elevation
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STRUCTURE PHOTOGRAPHSSHEET 4 OF 10STRUCTURE NAME Bosworth BridgeSTRUCTURE NUMBER B007028

Date	Sept. 24, 2019	Description	South Elevation
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Date	Sept. 24, 2019	Description	East Abutment
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STRUCTURE PHOTOGRAPHSSHEET 5 OF 10STRUCTURE NAME Bosworth BridgeSTRUCTURE NUMBER B007028

Date	Sept. 24, 2019	Description	West Abutment
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Date	Sept. 24, 2019	Description	Soffit (Typical)
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STRUCTURE PHOTOGRAPHSSHEET 6 OF 10STRUCTURE NAME Bosworth BridgeSTRUCTURE NUMBER B007028

Date	Sept. 24, 2019	Description	Bottom Chord (Typical)
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Date	Sept. 24, 2019	Description	Floorbeam and Stringers (Typical)
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STRUCTURE PHOTOGRAPHSSHEET 7 OF 10STRUCTURE NAME Bosworth BridgeSTRUCTURE NUMBER B007028

Date	Sept. 24, 2019	Description	East Abutment Bearing
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Date	Sept. 24, 2019	Description	Recently Installed Bracing Member
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STRUCTURE PHOTOGRAPHSSHEET 8 OF 10STRUCTURE NAME Bosworth BridgeSTRUCTURE NUMBER B007028

Date	Sept. 24, 2019	Description	Southeast Wingwall (Note: Spall)
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Date	Sept. 24, 2019	Description	Damaged Barrier
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STRUCTURE PHOTOGRAPHSSHEET 9 OF 10STRUCTURE NAME Bosworth BridgeSTRUCTURE NUMBER B007028

Date	Sept. 24, 2019	Description	Medium Corrosion at Gusset Connection
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Date	Sept. 24, 2019	Description	Spall with Exposed Rebar at Concrete Barrier
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STRUCTURE PHOTOGRAPHSSHEET 10 OF 10STRUCTURE NAME Bosworth BridgeSTRUCTURE NUMBER B007028

Date	Sept. 24, 2019	Description	Spall with Exposed Rebar at Exterior Soffit
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