

**Inventory Data:**

Structure Name	B101		
Main Hwy/Road #	Pratt Siding Road	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type: Navig. Water <input type="checkbox"/> Non-Navig. <input checked="" type="checkbox"/> Ped. <input type="checkbox"/> Road <input type="checkbox"/> Other <input type="checkbox"/>
Structure Location	Intersection of Carolinian Road and Pratt Siding Road Lot 8&9 Con. 8		
Latitude	4736274.9	Longitude	432005.6
Owners	Mun. of Southwest Middlesex	Heritage Designation	Not Consid: <input checked="" type="checkbox"/> Cons/not App. <input type="checkbox"/> List/n.d. <input type="checkbox"/> Designation Design./not list <input type="checkbox"/> Desig & List <input type="checkbox"/>
MTO region	South-Western	Road Class:	Freeway <input type="checkbox"/> Arterial <input type="checkbox"/> Collector <input type="checkbox"/> Local <input checked="" type="checkbox"/>
MTO District	2	Posted Speed	No. of Lanes 2
Old County	Middlesex	AADT	% Trucks
Geographic Twp.	Mosa	Inseption Route Sequence	
Structure Type	Rigid Frame - Concrete	Interchange Number	
Total Deck Length	14 m	Interchange Structure Number	
Overall Str. Width	10.04 m	Min. Vertical Clearance	m
Total Deck Area	140.56 sq. m	Special Routes:	Transit <input type="checkbox"/> School <input type="checkbox"/> Truck <input type="checkbox"/> Bicycle <input checked="" type="checkbox"/>
Roadway Width	7.4 m	Detour Length Around Bridge	km
Skew Angle	20 Degrees	Direction of Structure	
No. of Spans	1	Fill on Structure	0 m
Span Lengths	11.3 m		

**Historical Data:**

Year Built	1966	Last Evaluation	
Last Biennial Inspection	2021	Current Load Limit	tonnes
Last Bridge Master Inspection		Load Limit By-Law #	
Last Condition Survey		By-Law Expiry Date	
Last Underwater Inspection			

Rehab History: (Date / Description)

Field Inspection Information:	
Date of Inspection:	October. 27, 2023
Inspector:	B. Widner
Others in Party:	
Equipment Used:	
Weather:	sunny
Temperature:	20 degrees celsius

Additional Investigations Required:	Priority		
	None	Normal	Urgent
Detailed Deck Condition Survey:	x		
Non-Destructive Delamination Survey of Asphalt-Covered Deck:	x		
Substructure Condition Survey:	x		
Detailed Coating Condition Survey:	x		
Underwater Investigation:	x		
Fatigue Investigation:	x		
Seismic Investigation:	x		
Structure Evaluation	x		
Monitoring of Deformations, Settlements and Movements	x		
Special Notes:			
Next Detailed Visual Inspection:	Oct. 2025		

## Element Data

Element Group:	Decks	Length:	14				
Element Name:	Deck Top	Width:	10.04				
Location:		Height:					
Material:	Cast in Place Concrete	Count:	1				
Element Type:	Concrete Deck	Total Quantity:					
Environment:		Not Inspected:					
Protection System:						Perform.	Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies	Needs
Data:	sq. m / m / each / % / all		all				
Comments:							
Recommended Work:      None: <input type="checkbox"/> x      1 - 5 years <input type="checkbox"/> <1 year <input type="checkbox"/>							
Urgent: <input type="checkbox"/>							

Element Group:	Decks	Length:	14				
Element Name:	Wearing Surfaces	Width:	7.4				
Location:		Height:					
Material:		Count:					
Element Type:		Total Quantity:					
Environment:	Severe	Not Inspected:	x				
Protection System:	none					Perform.	Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies	Needs
Data:	sq. m / m / each / % / all						
Comments:							
No wearing surface present, exposed concrete deck							
Recommended Work:      None: <input type="checkbox"/> x      1 - 5 years <input type="checkbox"/> <1 year <input type="checkbox"/>							
Urgent: <input type="checkbox"/>							

Element Group:	Decks	Length:	14				
Element Name:	Soffit	Width:	10.04				
Location:		Height:					
Material:	Concrete	Count:					
Element Type:	Cast in Place	Total Quantity:	1				
Environment:		Not Inspected:					
Protection System:						Perform.	Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies	Needs
Data:	sq. m / m / each / % / all		all				
Comments:							
Recommended Work:      None: <input type="checkbox"/> x      1 - 5 years <input type="checkbox"/> <1 year <input type="checkbox"/>							
Urgent: <input type="checkbox"/>							

## Element Data

Element Group:	Barriers	Length:	26.5					
	Barrier Wall	Width:	0.2					
Location:		Height:	1.07					
Material:	Concrete	Count:						
Element Type:	Cast in place posts and rails	Total Quantity:	2					
Environment:	Severe	Not Inspected:						
Protection System:	none						Perform.	Maint.
Condition	Units	Exc.	Good	Fair	Poor		Deficiencies	Needs
Data:	sq. m / m / each / % / all		all					
Comments:								
Recommended Work:								
	None:	<input checked="" type="checkbox"/>	1 - 5 years	<input type="checkbox"/>	<1 year	<input type="checkbox"/>		
	Urgent:	<input type="checkbox"/>						

Element Group:	Abutments	Length:						
Element Name:	Abutment Walls	Width:	10.04					
Location:		Height:						
Material:	Cast in Place Concrete	Count:						
Element Type:		Total Quantity:	2					
Environment:	Benign	Not Inspected:						
Protection System:	none						Perform.	Maint.
Condition	Units	Exc.	Good	Fair	Poor		Deficiencies	Needs
Data:	sq. m / m / each / % / all		all					
Comments:								
Recommended Work:								
	None:	<input checked="" type="checkbox"/>	1 - 5 years	<input type="checkbox"/>	<1 year	<input type="checkbox"/>		
	Urgent:	<input type="checkbox"/>						

Element Group:	Abutments	Length:						
Element Name:	Wingwalls	Width:						
Location:		Height:						
Material:	Cast in Place Concrete	Count:						
Element Type:		Total Quantity:	4					
Environment:	Benign	Not Inspected:						
Protection System:	none						Perform.	Maint.
Condition	Units	Exc.	Good	Fair	Poor		Deficiencies	Needs
Data:	sq. m / m / each / % / all		all					
Comments:								
Recommended Work:								
	None:	<input checked="" type="checkbox"/>	1 - 5 years	<input type="checkbox"/>	<1 year	<input type="checkbox"/>		
	Urgent:	<input type="checkbox"/>						



## Element Data

Element Group:	Embankments & Streams		Length:		
Element Name:	Embankments		Width:		
Location:			Height:		
Material:			Count:		
Element Type:			Total Quantity:	2	
Environment:			Not Inspected:		
Protection System:					
Condition	Units	Exc.	Good	Fair	Poor
Data:	sq. m / m / each / % / all		all		
Perform. Maint. Deficiencies Needs					
Comments:					
Recommended Work:					
None:		<input checked="" type="checkbox"/>	1 - 5 years	<input type="checkbox"/>	<1 year <input type="checkbox"/>
Urgent:		<input type="checkbox"/>			

Element Group:	Embankments & Streams		Length:		
Element Name:	Streams		Width:		
Location:			Height:		
Material:			Count:		
Element Type:			Total Quantity:		
Environment:			Not Inspected:		
Protection System:					
Condition	Units	Exc.	Good	Fair	Poor
Data:	sq. m / m / each / % / all		all		
Perform. Maint. Deficiencies Needs					
Comments:					
Recommended Work:					
None:		<input checked="" type="checkbox"/>	1 - 5 years	<input type="checkbox"/>	<1 year <input type="checkbox"/>
Urgent:		<input type="checkbox"/>			

Element Group:	Signs		Length:		
Element Name:	Signs		Width:		
Location:	Bridge End Markers		Height:		
Material:			Count:		
Element Type:			Total Quantity:	4	
Environment:			Not Inspected:		
Protection System:					
Condition	Units	Exc.	Good	Fair	Poor
Data:	sq. m / m / each / % / all		all		
Perform. Maint. Deficiencies Needs					
Comments:					
Recommended Work:					
None:		<input checked="" type="checkbox"/>	1 - 5 years	<input type="checkbox"/>	<1 year <input type="checkbox"/>
Urgent:		<input type="checkbox"/>			

## Element Data

Element Group:	Drainage Systems		Length:			
Element Name:	Deck Drains		Width:			
Location:			Height:			
Material:	Steel		Count:			
Element Type:			Total Quantity:	4		
Environment:	severe		Not Inspected:			
Protection System:	none					Perform. Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies Needs
Data:	sq. m / m / each / % / all				all	
<b>Comments:</b> Drains are rusted, not functioning and need to be relined.						
<b>Recommended Work:</b> None: <input type="text"/> 1 - 5 years <input type="text"/> <1 year <input type="text"/> x						
Urgent: <input type="text"/>						

Element Group:	Guiderails		Length:			
Element Name:			Width:			
Location:			Height:			
Material:			Count:			
Element Type:			Total Quantity:			
Environment:			Not Inspected:			
Protection System:						Perform. Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies Needs
Data:	sq. m / m / each / % / all				all	
<b>Comments:</b> Install end treatments						
<b>Recommended Work:</b> None: <input type="text"/> 1 - 5 years <input type="text"/> x <1 year <input type="text"/>						
Urgent: <input type="text"/>						

Element Group:			Length:			
Element Name:			Width:			
Location:			Height:			
Material:			Count:			
Element Type:			Total Quantity:			
Environment:			Not Inspected:			
Protection System:						Perform. Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies Needs
Data:	sq. m / m / each / % / all					
<b>Comments:</b>						
<b>Recommended Work:</b> None: <input type="text"/> 1 - 5 years <input type="text"/> <1 year <input type="text"/>						
Urgent: <input type="text"/>						



**Road Section - South View**



**Bridge Elevation - East Side**





**Underside of Bridge**



**View of Deck Drains**



**Bridge Elevation - West Side**

Repair Rehabilitation Required		Priority			Estimated Construction Cost
Element	Repair and Rehabilitation Required	1 to 5 years	Within 1 year	Urgent	
Deck Drains	Reline with P.V.C.	x			10000
Total Cost					\$10,000

Associated Work	Comments	Estimated Cost
Approaches	Install End Treatments - 3 corners, Not N.E. Low Volume. Check with Road Superintendent	45000
Detours		
Traffic Control		
Utilities		
Right of Way		
Enviromental study		
Other		
Contigencies		
Total Cost		\$45,000

<b>Justification</b>

**Inventory Data:**

Structure Name	B102		
Main Hwy/Road #	Conservation Road	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type: Navig. Water <input type="checkbox"/> Rail <input type="checkbox"/> Non-Navig. <input type="checkbox"/> Road <input type="checkbox"/> Ped. <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Structure Location	1.0km North of Lobelia Drive Lot 1 Con.11		
Latitude	474562	Longitude	432801.7
Owners	Mun. of Southwest Middlesex	Heritage Designation	Not Consid: <input checked="" type="checkbox"/> Cons/not App. <input type="checkbox"/> List/n.d. <input type="checkbox"/> Design./not list <input type="checkbox"/> Desig & List <input type="checkbox"/>
MTO region	South-Western	Road Class: Freeway <input type="checkbox"/> Collector <input type="checkbox"/>	Arterial <input type="checkbox"/> Local <input checked="" type="checkbox"/>
MTO District	2	Posted Speed	No. of Lanes 2
Old County	Middlesex	AADT	% Trucks
Geographic Twp.	Mosa	Inseption Route Sequence	
Structure Type	Rigid Frame - Concrete	Interchange Number	
Total Deck Length	18.6m	Interchange Structure Number	
Overall Str. Width	9.72m	Min. Vertical Clearance	m
Total Deck Area	180.792 sq. m	Special Routes:	Transit <input type="checkbox"/> School <input type="checkbox"/> Truck <input type="checkbox"/> Bicycle <input checked="" type="checkbox"/>
Roadway Width	8m	Detour Length Around Bridge	km
Skew Angle	0 Degrees	Direction of Structure	
No. of Spans	1	Fill on Structure	0m
Span Lengths	15.4m		

**Historical Data:**

Year Built	1976	Last Evaluation	
Last Biennial Inspection	2021	Current Load Limit	tonnes
Last Bridge Master Inspection		Load Limit By-Law #	
Last Condition Survey		By-Law Expiry Date	
Last Underwater Inspection			

**Rehab History: (Date / Description)**

Deck top and curbs rehabilitated in 2022 / 2023



Field Inspection Information:	
Date of Inspection:	October. 27, 2023
Inspector:	B. Widner
Others in Party:	
Equipment Used:	
Weather:	sunny
Temperature:	20 degrees celsius

Additional Investigations Required:	Priority		
	None	Normal	Urgent
Detailed Deck Condition Survey:	x		
Non-Destructive Delamination Survey of Asphalt-Covered Deck:	x		
Substructure Condition Survey:	x		
Detailed Coating Condition Survey:	x		
Underwater Investigation:	x		
Fatigue Investigation:	x		
Seismic Investigation:	x		
Structure Evaluation	x		
Monitoring of Deformations, Settlements and Movements	x		
Special Notes:			
Next Detailed Visual Inspection:	Oct. 2025		



## Element Data

Element Group:	Decks	Length:	18.6				
Element Name:	Deck Top	Width:	9.72				
Location:		Height:					
Material:	Cast in Place Concrete	Count:	1				
Element Type:	Concrete Deck	Total Quantity:					
Environment:		Not Inspected:					
Protection System:						Perform.	Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies	Needs
Data:	sq. m / m / each / % / all	all					
Comments:							
Recommended Work:      None: <input type="text"/> 1 - 5 years <input type="text"/> <1 year <input type="text"/>							
Urgent: <input type="text"/>							

Element Group:	Decks	Length:	18.6				
Element Name:	Wearing Surfaces	Width:	8				
Location:		Height:					
Material:		Count:					
Element Type:		Total Quantity:					
Environment:	Severe	Not Inspected:	x				
Protection System:	none					Perform.	Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies	Needs
Data:	sq. m / m / each / % / all						
Comments:							
Recommended Work:      None: <input type="text"/> 1 - 5 years <input type="text"/> <1 year <input type="text"/>							
Urgent: <input type="text"/>							

Element Group:	Decks	Length:	16.5				
Element Name:	Soffit	Width:	9.72				
Location:		Height:					
Material:	Concrete	Count:					
Element Type:	Cast in Place	Total Quantity:	1				
Environment:		Not Inspected:					
Protection System:						Perform.	Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies	Needs
Data:	sq. m / m / each / % / all	all					
Comments:							
Recommended Work:      None: <input type="text"/> x      1 - 5 years <input type="text"/> <1 year <input type="text"/>							
Urgent: <input type="text"/>							

## Element Data

Element Group:	Barriers	Length:	26
	Barrier Wall	Width:	0.2
Location:		Height:	1.07
Material:	Concrete	Count:	
Element Type:	Parapet wall with two rails	Total Quantity:	2
Environment:	Severe	Not Inspected:	
Protection System:	none		
Condition	Units	Exc.	Good
Data:	sq. m / m / each / % / all		all
		Fair	Poor
		Perform.	Maint.
		Deficiencies	Needs
Comments:			
Recommended Work:			
None:		x	1 - 5 years
Urgent:			<1 year

Element Group:	Abutments	Length:	
Element Name:	Abutment Walls	Width:	9.72
Location:		Height:	
Material:	Cast in Place Concrete	Count:	
Element Type:		Total Quantity:	2
Environment:	Benign	Not Inspected:	
Protection System:	none		
Condition	Units	Exc.	Good
Data:	sq. m / m / each / % / all		remaining
		Fair	Poor
		Perform.	Maint.
		Deficiencies	Needs
Comments:			
Efflorescence present on northwest corner			
Recommended Work:			
None:		x	1 - 5 years
Urgent:			<1 year

Element Group:	Abutments	Length:	
Element Name:	Wingwalls	Width:	
Location:		Height:	
Material:	Cast in Place Concrete	Count:	
Element Type:		Total Quantity:	4
Environment:	Benign	Not Inspected:	
Protection System:	none		
Condition	Units	Exc.	Good
Data:	sq. m / m / each / % / all		all
		Fair	Poor
		Perform.	Maint.
		Deficiencies	Needs
Comments:			
Recommended Work:			
None:		x	1 - 5 years
Urgent:			<1 year

## Element Data

Element Group:	Embankments & Streams		Length:		
Element Name:	Embankments		Width:		
Location:			Height:		
Material:			Count:		
Element Type:			Total Quantity:	2	
Environment:			Not Inspected:		
Protection System:					
Condition	Units	Exc.	Good	Fair	Poor
Data:	sq. m / m / each / % / all		all		
Perform. Maint.					
Deficiencies Needs					
Comments:					
Recommended Work:					
None:		<input checked="" type="checkbox"/>	1 - 5 years	<input type="checkbox"/>	<1 year
Urgent:		<input type="checkbox"/>			

Element Group:	Embankments & Streams		Length:		
Element Name:	Streams		Width:		
Location:			Height:		
Material:			Count:		
Element Type:			Total Quantity:		
Environment:			Not Inspected:		
Protection System:					
Condition	Units	Exc.	Good	Fair	Poor
Data:	sq. m / m / each / % / all		all		
Perform. Maint.					
Deficiencies Needs					
Comments:					
Recommended Work:					
None:		<input checked="" type="checkbox"/>	1 - 5 years	<input type="checkbox"/>	<1 year
Urgent:		<input type="checkbox"/>			

Element Group:	Signs		Length:		
Element Name:	Signs		Width:		
Location:	Bridge End Markers		Height:		
Material:			Count:		
Element Type:			Total Quantity:	4	
Environment:			Not Inspected:		
Protection System:					
Condition	Units	Exc.	Good	Fair	Poor
Data:	sq. m / m / each / % / all	all			
Perform. Maint.					
Deficiencies Needs					
Comments:					
Recommended Work:					
None:		<input checked="" type="checkbox"/>	1 - 5 years	<input type="checkbox"/>	<1 year
Urgent:		<input type="checkbox"/>			

## Element Data

Element Group:	Drainage Systems		Length:			
Element Name:	Deck Drains		Width:			
Location:			Height:			
Material:	Steel		Count:			
Element Type:			Total Quantity:	10		
Environment:	severe		Not Inspected:			
Protection System:	none					Perform. Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies Needs
Data:	sq. m / m / each / % / all	all				
<b>Comments:</b> Some deck drains need to be cleared						
<b>Recommended Work:</b> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div>           None: <input type="text" value="x"/>            Urgent: <input type="text"/> </div> <div>           1 - 5 years <input type="text"/> </div> <div>           &lt;1 year <input type="text"/> </div> </div>						

Element Group:	Guiderails		Length:			
Element Name:			Width:			
Location:			Height:			
Material:	Steel Flex Beam		Count:			
Element Type:			Total Quantity:			
Environment:			Not Inspected:			
Protection System:						Perform. Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies Needs
Data:	sq. m / m / each / % / all				all	
<b>Comments:</b> Replace, connection to bridge and as well as guiderail is substandard						
<b>Recommended Work:</b> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div>           None: <input type="text"/>            Urgent: <input type="text"/> </div> <div>           1 - 5 years <input type="text" value="x"/> </div> <div>           &lt;1 year <input type="text"/> </div> </div>						

Element Group:			Length:			
Element Name:			Width:			
Location:			Height:			
Material:			Count:			
Element Type:			Total Quantity:			
Environment:			Not Inspected:			
Protection System:						Perform. Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies Needs
Data:	sq. m / m / each / % / all					
<b>Comments:</b>						
<b>Recommended Work:</b> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div>           None: <input type="text"/>            Urgent: <input type="text"/> </div> <div>           1 - 5 years <input type="text"/> </div> <div>           &lt;1 year <input type="text"/> </div> </div>						

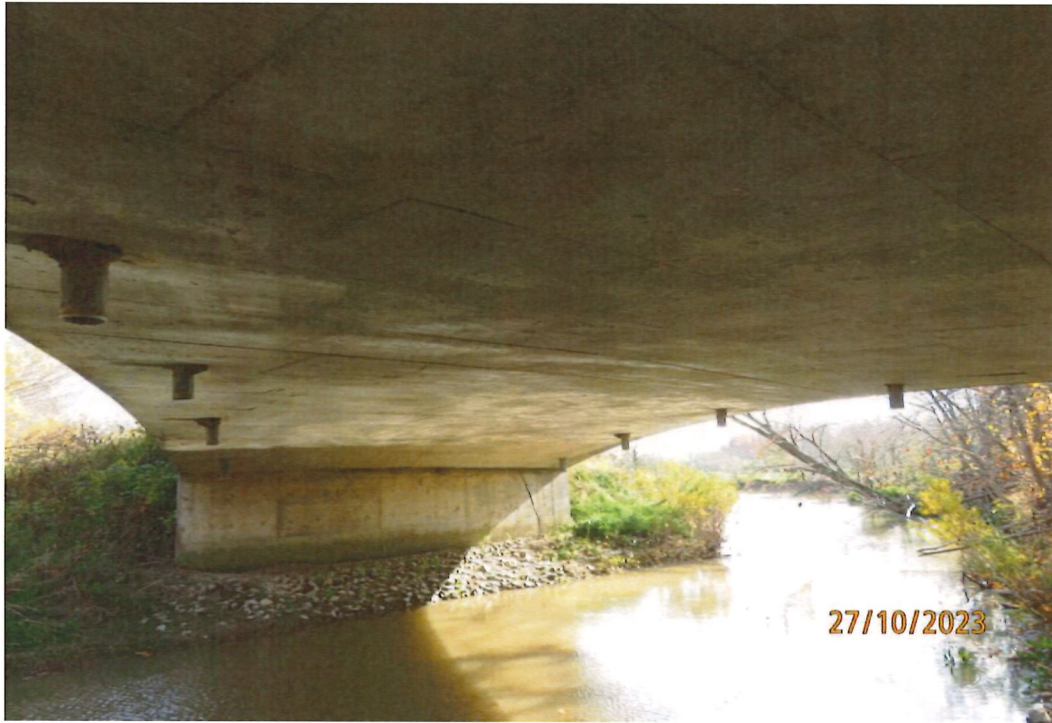


**Road Section - North View**



**Bridge Elevation - West View**





**Underside of Bridge**



**Bridge Elevation - East View**





**View of Repaired Deck and Curb**



**Alternate View of Repaired Deck and Curb**



**Efflorescence on Northwest Corner**



Associated Work	Comments	Estimated Cost
Approaches	Up-Grade End Treatments - by adding 4 eccentric loaders	15000
Detours		
Traffic Control		
Utilities		
Right of Way		
Enviromental study		
Other		
Total Cost		\$15,000

**Justification**



**Inventory Data:**

Structure Name	<input type="text" value="B208"/>		
Main Hwy/Road #	<input type="text" value="Gentleman Drive"/>	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type: Navig. Water <input type="checkbox"/> Rail <input type="checkbox"/> Non-Navig. Road <input type="checkbox"/> Ped. <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Structure Location	<input type="text" value="0.6km West of Melbourne Road Lot 2 Range 3-4 South"/>		
Latitude	<input type="text" value="457287.5"/>	Longitude	<input type="text" value="4737290.3"/>
Owners	<input type="text" value="Municipality of Southwest Middlesex"/>	Heritage Designation	Not Consid: <input checked="" type="checkbox"/> Cons/not App. <input type="checkbox"/> List/n.d. <input type="checkbox"/> Desig./not list <input type="checkbox"/> Desig & List <input type="checkbox"/>
MTO region	<input type="text" value="South-Western"/>	Road Class:	Freeway <input type="checkbox"/> Arterial <input type="checkbox"/> Collector <input checked="" type="checkbox"/> Local <input type="checkbox"/>
MTO District	<input type="text" value="2"/>	Posted Speed	<input type="text"/> No. of Lanes <input type="text" value="2"/>
Old County	<input type="text" value="Middlesex"/>	AADT	<input type="text"/> % Trucks <input type="text"/>
Geographic Twp.	<input type="text" value="Ekfrid"/>	Inspection Route Sequence	<input type="text"/>
Structure Type	<input type="text" value="Concrete Slabs"/>	Interchange Number	<input type="text"/>
Total Deck Length	<input type="text" value="7.3"/> m	Interchange Structure Number	<input type="text"/>
Overall Str. Width	<input type="text" value="8.4"/> m	Min. Vertical Clearance	<input type="text"/> m
Total Deck Area	<input type="text" value="61.32"/> sq. m	Special Routes:	Transit <input type="checkbox"/> School <input type="checkbox"/> Truck <input type="checkbox"/> Bicycle <input checked="" type="checkbox"/>
Roadway Width	<input type="text" value="6"/> m	Detour Length Around Bridge	<input type="text"/> km
Skew Angle	<input type="text" value="30"/> Degrees	Direction of Structure	<input type="text"/>
No. of Spans	<input type="text" value="1"/>	Fill on Structure	<input type="text" value="0.4"/> m
Span Lengths	<input type="text" value="5.4"/> m		

**Historical Data:**

Year Built	<input type="text" value="1950"/>	Last Evaluation	<input type="text"/>
Last Biennial Inspection	<input type="text" value="2021"/>	Current Load Limit	<input type="text"/> tonnes
Last Bridge Master Inspection	<input type="text"/>	Load Limit By-Law #	<input type="text"/>
Last Condition Survey	<input type="text"/>	By-Law Expiry Date	<input type="text"/>
Last Underwater Inspection	<input type="text"/>		

Rehab History: (Date / Description)

Field Inspection Information:	
Date of Inspection:	October. 23, 2023
Inspector:	K. Dagenais
Others in Party:	
Equipment Used:	
Weather:	sunny
Temperature:	12 degree celsius

Additional Investigations Required:	Priority		
	None	Normal	Urgent
Detailed Deck Condition Survey:	x		
Non-Destructive Delamination Survey of Asphalt-Covered Deck:	x		
Substructure Condition Survey:	x		
Detailed Coating Condition Survey:	x		
Underwater Investigation:	x		
Fatigue Investigation:	x		
Seismic Investigation:	x		
Structure Evaluation	x		
Monitoring of Deformations, Settlements and Movements			
Special Notes:			
Next Detailed Visual Inspection:	Oct. 2025		

## Element Data

Element Group:	Beams - Longitudinal Elements	Length:	5.4				
Element Name:	Girders	Width:					
Location:		Height:					
Material:	Concrete	Count:	1				
Element Type:	Cast in Place slabs	Total Quantity:					
Environment:	benign	Not Inspected:					
Protection System:	none					Perform.	Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies	Needs
Data:	sq. m / m / each / % / all		all				
Comments:							
Recommended Work:							
	None:	<div style="border: 1px solid black; width: 40px; text-align: center;">x</div>	1 - 5 years	<div style="border: 1px solid black; width: 60px;"></div>	<1 year	<div style="border: 1px solid black; width: 60px;"></div>	
	Urgent:	<div style="border: 1px solid black; width: 40px;"></div>					

Element Group:	Decks	Length:	7.3				
Element Name:	Decks Top	Width:	8.4				
Location:		Height:					
Material:	Concrete	Count:	1				
Element Type:	Cast in Place	Total Quantity:					
Environment:		Not Inspected:	x				
Protection System:						Perform.	Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies	Needs
Data:	sq. m / m / each / % / all						
Comments:							
Concrete deck is covered in gravel, some could be removed							
Recommended Work:							
	None:	<div style="border: 1px solid black; width: 40px;"></div>	1 - 5 years	<div style="border: 1px solid black; width: 60px;"></div>	<1 year	<div style="border: 1px solid black; width: 60px;"></div>	
	Urgent:	<div style="border: 1px solid black; width: 40px;"></div>					

Element Group:	Decks	Length:	7.3				
Element Name:	Soffit	Width:	8.4				
Location:		Height:					
Material:	Concrete	Count:					
Element Type:	Cast in Place	Total Quantity:					
Environment:	Severe	Not Inspected:					
Protection System:	none					Perform.	Maint.
Condition	Units	Exc.	Good	Fair	Poor	Deficiencies	Needs
Data:	sq. m / m / each / % / all		all				
Comments:							
Concrete deterioration is present							
Recommended Work:							
	None:	<div style="border: 1px solid black; width: 40px; text-align: center;">x</div>	1 - 5 years	<div style="border: 1px solid black; width: 60px;"></div>	<1 year	<div style="border: 1px solid black; width: 60px;"></div>	
	Urgent:	<div style="border: 1px solid black; width: 40px;"></div>					
Repair concrete							

## Element Data

Element Group:	Barriers	Length:	15.9					
Element Name:	Barrier Wall	Width:						
Location:		Height:						
Material:	Concrete	Count:	2					
Element Type:	Cast in place	Total Quantity:						
Environment:	Severe	Not Inspected:						
Protection System:	none						Perform.	Maint.
<b>Condition</b>	Units	Exc.	Good	Fair	Poor		Deficiencies	Needs
<b>Data:</b>	sq. m / m / each / % / all			all				
<b>Comments:</b>								
Should be updated, some efflorescence on south barrier								
<b>Recommended Work:</b>								
None:		<input style="width: 50px;" type="text"/>	1 - 5 years	<input style="width: 50px; text-align: center;" type="text" value="x"/>	<1 year	<input style="width: 50px;" type="text"/>		
Urgent:		<input style="width: 50px;" type="text"/>						
Upgrade in conjunction with repairs								

Element Group:	Joints	Length:	8.4					
Element Name:	Expansion Joints	Width:						
Location:		Height:						
Material:	Steel	Count:	2					
Element Type:		Total Quantity:						
Environment:	Severe	Not Inspected:	x					
Protection System:							Perform.	Maint.
<b>Condition</b>	Units	Exc.	Good	Fair	Poor		Deficiencies	Needs
<b>Data:</b>	sq. m / m / each / % / all							
<b>Comments:</b>								
Gravel covers deck, may not be present								
<b>Recommended Work:</b>								
None:		<input style="width: 50px;" type="text"/>	1 - 5 years	<input style="width: 50px;" type="text"/>	<1 year	<input style="width: 50px;" type="text"/>		
Urgent:		<input style="width: 50px;" type="text"/>						

Element Group:	Bearings	Length:						
Element Name:	Bearing Pad	Width:						
Location:		Height:						
Material:		Count:						
Element Type:		Total Quantity:						
Environment:	Benign	Not Inspected:	x					
Protection System:	none						Perform.	Maint.
<b>Condition</b>	Units	Exc.	Good	Fair	Poor		Deficiencies	Needs
<b>Data:</b>	sq. m / m / each / % / all							
<b>Comments:</b>								
Not visible								
<b>Recommended Work:</b>								
None:		<input style="width: 50px;" type="text"/>	1 - 5 years	<input style="width: 50px;" type="text"/>	<1 year	<input style="width: 50px;" type="text"/>		
Urgent:		<input style="width: 50px;" type="text"/>						

## Element Data

Element Group:	Abutments	Length:					
Element Name:	Abutment Walls	Width:					
Location:		Height:					
Material:	Cast in Place Concrete	Count:	2				
Element Type:		Total Quantity:					
Environment:	Benign	Not Inspected:					
Protection System:							Perform.    Maint.
<b>Condition</b>	Units	Exc.	Good	Fair	Poor	Deficiencies	Needs
<b>Data:</b>	sq. m / m / each / % / all			all			
<b>Comments:</b>							
Corner of beam seat chipped, has caused efflorescence over last 30 years and subsequent deterioration.							
<b>Recommended Work:</b>	None:		1 - 5 years	x	<1 year		
	Urgent:						
Repair concrete.							

Element Group:	Abutments	Length:					
Element Name:	Wingwalls	Width:					
Location:		Height:					
Material:	Concrete	Count:					
Element Type:	Cast in Place	Total Quantity:					
Environment:	Benign	Not Inspected:					
Protection System:							Perform.    Maint.
<b>Condition</b>	Units	Exc.	Good	Fair	Poor	Deficiencies	Needs
<b>Data:</b>	sq. m / m / each / % / all			remaining		8	
<b>Comments:</b>							
Concrete deterioration is present							
<b>Recommended Work:</b>	None:		1 - 5 years	x	<1 year		
	Urgent:						
Repair concrete deterioration							

Element Group:	Embankments & Streams	Length:					
Element Name:	Embankments	Width:					
Location:		Height:					
Material:		Count:	2				
Element Type:		Total Quantity:					
Environment:		Not Inspected:					
Protection System:							Perform.    Maint.
<b>Condition</b>	Units	Exc.	Good	Fair	Poor	Deficiencies	Needs
<b>Data:</b>	sq. m / m / each / % / all			all			
<b>Comments:</b>							
<b>Recommended Work:</b>	None:	x	1 - 5 years		<1 year		
	Urgent:						

## Element Data

Element Group:	Embankments & Streams	Length:				
Element Name:	Stream	Width:				
Location:		Height:				
Material:		Count:				
Element Type:		Total Quantity:				
Environment:		Not Inspected:				
Protection System:					Perform.	Maint.
<b>Condition</b>	Units	Exc.	Good	Fair	Poor	Deficiencies
<b>Data:</b>	sq. m / m / each / % / all		all			Needs
<b>Comments:</b>          <b>Recommended Work:</b> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> None: <span style="border: 1px solid black; padding: 0 10px;">x</span>  Urgent: <span style="border: 1px solid black; padding: 0 10px;"></span> </div> <div> 1 - 5 years <span style="border: 1px solid black; padding: 0 10px;"></span> </div> <div> &lt;1 year <span style="border: 1px solid black; padding: 0 10px;"></span> </div> </div>						

Element Group:	Guiderails	Length:				
Element Name:		Width:				
Location:		Height:				
Material:		Count:				
Element Type:		Total Quantity:	None			
Environment:		Not Inspected:				
Protection System:					Perform.	Maint.
<b>Condition</b>	Units	Exc.	Good	Fair	Poor	Deficiencies
<b>Data:</b>	sq. m / m / each / % / all				all	Needs
<b>Comments:</b> None present          <b>Recommended Work:</b> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> None: <span style="border: 1px solid black; padding: 0 10px;"></span>  Urgent: <span style="border: 1px solid black; padding: 0 10px;"></span> </div> <div> 1 - 5 years <span style="border: 1px solid black; padding: 0 10px;">x</span> </div> <div> &lt;1 year <span style="border: 1px solid black; padding: 0 10px;"></span> </div> </div> Install end treatments						

Element Group:	Drainage Systems	Length:				
Element Name:	Deck Drains	Width:				
Location:		Height:				
Material:		Count:				
Element Type:		Total Quantity:	4			
Environment:		Not Inspected:				
Protection System:					Perform.	Maint.
<b>Condition</b>	Units	Exc.	Good	Fair	Poor	Deficiencies
<b>Data:</b>	sq. m / m / each / % / all			all		Needs
<b>Comments:</b>          <b>Recommended Work:</b> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> None: <span style="border: 1px solid black; padding: 0 10px;">x</span>  Urgent: <span style="border: 1px solid black; padding: 0 10px;"></span> </div> <div> 1 - 5 years <span style="border: 1px solid black; padding: 0 10px;"></span> </div> <div> &lt;1 year <span style="border: 1px solid black; padding: 0 10px;"></span> </div> </div>						



## Element Data

Element Group:	Signs		Length:		
Element Name:	Signs		Width:		
Location:	Bridge End Markers		Height:		
Material:			Count:		
Element Type:			Total Quantity:	4	
Environment:			Not Inspected:		
Protection System:					Perform. Maint.
Condition	Units	Exc.	Good	Fair	Poor
Data:	sq. m / m / each / % / all		all		
Comments:					
Recommended Work:					
	None:	<input type="text" value="x"/>	1 - 5 years	<input type="text"/>	<1 year
	Urgent:	<input type="text"/>			

Element Group:			Length:		
Element Name:			Width:		
Location:			Height:		
Material:			Count:		
Element Type:			Total Quantity:		
Environment:			Not Inspected:		
Protection System:					Perform. Maint.
Condition	Units	Exc.	Good	Fair	Poor
Data:	sq. m / m / each / % / all				
Comments:					
Recommended Work:					
	None:	<input type="text"/>	1 - 5 years	<input type="text"/>	<1 year
	Urgent:	<input type="text"/>			

Element Group:			Length:		
Element Name:			Width:		
Location:			Height:		
Material:			Count:		
Element Type:			Total Quantity:		
Environment:			Not Inspected:		
Protection System:					Perform. Maint.
Condition	Units	Exc.	Good	Fair	Poor
Data:	sq. m / m / each / % / all				
Comments:					
Recommended Work:					
	None:	<input type="text"/>	1 - 5 years	<input type="text"/>	<1 year
	Urgent:	<input type="text"/>			



**Road Section - West View**



**Bridge Elevation - South Side**





**Concrete Deterioration on South Side**



**Underside of Bridge - File Photo**





**View of Concrete Deterioration on Underside of Bridge**



**Bridge Elevation - North Side - File Photo**





**Deterioration on Railings on North Side**



**Concrete Deterioration on North Side**





**Concrete Deterioration on North Abutment Base**



**Concrete Deterioration on North Soffit**



**Efflorescence on North Side**

Repair Rehabilitation Required		Priority			Estimated Construction Cost
Element	Repair and Rehabilitation Required	1 to 5 years	Within 1 year	Urgent	
Abutments	Concrete repairs	x			84000  28000 (for all concrete repairs)
Barriers	Carry flex beam across structure on existing	x			
	Concrete barriers	x			
Railings	Concrete repairs	x			
	* 8 square meters of concrete needs to be repaired on bridge.				
Total Cost					\$112,000

Associated Work	Comments	Estimated Cost
Approaches	Install End Treatments	50000
Detours		
Traffic Control		
Utilities		
Right of Way		
Environmental study		
Other		
Contingencies		
Total Cost		\$50,000

<b>Justification</b>