

**Inventory Data:**

Structure Name	<input type="text" value="Waubuno Street Bridge"/>		
Main Highway #	<input type="text" value="Waubuno Street"/>	On <input checked="" type="checkbox"/> or Under <input type="checkbox"/>	Service on Structure
			<input type="checkbox"/> Navig. Water <input type="checkbox"/> Non-Navig. Water <input type="checkbox"/> Rail <input type="checkbox"/> Road <input checked="" type="checkbox"/> Ped. <input type="checkbox"/> Other
Location Description	<input type="text" value="Waubuno Street at Georgian Bay"/>	Service under:	<input type="checkbox"/> Navig. Water <input type="checkbox"/> Non-Navig. Water <input type="checkbox"/> Rail <input checked="" type="checkbox"/> Road <input type="checkbox"/> Ped. <input type="checkbox"/> Other
Owner/Custodian	<input type="text" value="Town of Parry Sound"/>		
MTO Region	<input type="text" value="Northeastern"/>	Latitude	<input n"="" type="text" value="45° 20' 34"/>
		Longitude	<input type="text" value="80° 02' 28" w"=""/>
Regional Engineer	<input type="text"/>	Heritage Designation:	<input checked="" type="checkbox"/> Not Cons. <input type="checkbox"/> Cons./Not App. <input type="checkbox"/> List/Not Desig. <input type="checkbox"/> Desig. <input type="checkbox"/> Desig./Not List <input type="checkbox"/> Desig. & List
MTO Area	<input type="text" value="52 - Huntsville"/>	Hwy Class:	Freeway <input type="checkbox"/> Arterial <input type="checkbox"/> Collector <input type="checkbox"/> Local <input checked="" type="checkbox"/>
Old County	<input type="text" value="44 - Parry Sound"/>	Posted Speed	<input type="text" value="N/A"/>
		No. of Lanes	<input type="text" value="Pathway"/>
Township	<input type="text" value="452 - McDougall"/>	AADT	<input type="text" value="N/A"/>
		% Truck	<input type="text" value="Unknown"/>
Structure Type 1	<input type="text" value="Timber Stringers"/>		
Structure Material 1	<input type="text" value="Timber"/>	Traffic Directional Bound	<input type="text" value="N-S"/>
Structure Type 2	<input type="text" value="Timber Deck"/>		
Structure Material 2	<input type="text" value="Timber"/>	Inspection Frequency	<input type="text" value="2"/> (years)
Total Deck Length	<input type="text" value="12.9"/> (m)	Inspection Year	<input type="text" value="2022"/>
Overall Str. Width	<input type="text" value="3.6"/> (m)	Inspection Duration	<input type="text" value="2"/> (hrs)
Culvert Length	<input type="text"/> (m)		
Total Deck Area	<input type="text" value="46.1"/> (sq.m)		
Roadway Width	<input type="text" value="3.2"/> (m)	Min. Vertical Clearance	<input type="text" value="2.96"/> (m)
Skew Angle	<input type="text"/> (Degree)	Detour Distance	<input type="text" value="N/A"/> (km)
No. of Spans	<input type="text" value="3"/>	Fill on Structure	<input type="text" value="N/A"/> (m)
Span Lengths	<input type="text" value="3.73, 4.18, 3.53"/> (m)		
<u>For retaining wall:</u>			
Total Wall Length	<input type="text"/> (m)	Max. Wall Height	<input type="text" value="N/A"/> (m)
Total Wall Area	<input type="text"/> (sq.m)	Ave. Wall Height	<input type="text" value="N/A"/> (m)
		Angle of Backfill	<input type="text" value="N/A"/> (Degrees)


**Historical Data**

Year Built	<input type="text" value="1981"/>	Year of superstruct. Constructed	<input type="text" value="N/A"/>
Last Reg. OSIM Inspection	<input type="text" value="2020"/>	Year of Last Minor Rehab.	<input type="text" value="N/A"/>
Last Enh. OSIM Inspection	<input type="text"/>	Year of Last Major Rehab	<input type="text" value="2009"/>
		Current Load Limit	<input type="text" value="/ /"/> (tonnes)

Work History: (Date/description)	Investigation History: (Date/description)

MTO Site Number:

Field Inspection Information:					
Date of Inspection:	June 29, 2022	Type of Inspection:	<input checked="" type="checkbox"/> Reg. OSIM	<input type="checkbox"/> Enh. OSIM	
Inspected By	Alison Friebel				
Others in Party:	Brian Wood, P.Eng.				
Eng. Access Equipment:	Camera, Tape measure, Hammer				
Special Access Equipment	None				
Weather	Sun	Temperature	24 °C		
Additional Investigations Required:		Priority			Estimated Cost
		None	Normal	Urgent	
Material Condition Survey		X			
Detailed Deck Condition Survey:		X			
Non-destructive Delamination Survey of Asphalt-Covered Deck:		X			
Concrete Substructure Condition Survey:		X			
Detailed Coating Condition Survey:		X			
Detailed Timber Investigation:		X			
Post-Tensioned Strand Investigation:		X			
Underwater Investigation		X			
Fatigue Investigation		X			
Seismic Investigation		X			
Structure Evaluation:		X			
Monitoring		X			
Deformations, Settlements and Movements:		X			
Crack Widths:		X			
RSS Horizontal movements of face:		X			
RSS Vertical movements of overall structure:		X			
RSS Local movements or deterioration of face elements:		X			
RSS Horizontal movements within overall structure:		X			
RSS Vertical movements within overall structure		X			
RSS Lateral earth pressure at the back of facing elements		X			
Investigation Notes:				<b>Total Cost</b>	<b>\$0.00</b>
Overall Structure Notes:					
Recommended Work on Structure	<input type="checkbox"/> None <input type="checkbox"/> Minor Rehab. <input checked="" type="checkbox"/> Major Rehab. <input type="checkbox"/> Replace				
Timing of Recommended Work	<input type="checkbox"/> Urgent <input checked="" type="checkbox"/> 1 to 5 years <input type="checkbox"/> 6 to 10 years				
Overall Comments:	<b>The bridge has a number of timber members with rot, with replacement of these members recommended. The key members consist of pier columns and stringers.</b>				
Date of Next inspection:	2024				
Overall Bridge Condition					
% Poor in Deck	% Poor in Beams	% Poor in Substructure	% Poor in Barrier	Bridge Condition Index (BCI or BCIp)	
2%	5%	20%	0%	BCIp 94.48	BCI 54.96
Overall Bridge Sufficiency					
Traffic	Economic	Width	Alignment	Bridge Sufficiency Index (BSI)	
2	0	0	0	52.96	

Element Data:							
Element Group:	Decks		Length:	12.8			
Element Name:	Deck Top		Width:	3.6			
Location:			Height:	0.04			
Material:	Wood		Count:	1			
Element Type:	Wood Planks		Total Quantity:	46.1			
Environment:	Benign		Inspected	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	limited <input type="checkbox"/>	
Protection System:							Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*		
	sq.m		42.0	3.0	1.1		
Comments: Light weathering, typical. Light to medium checks, typical. 1 plank end at south end has raised 15mm. Severe rot in 10 planks (6 - 500 x 250mm and 4 - 300 x 250mm).							
Recommended Work:		Rehab: <input type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:		9 - Timber Repair	
Urgent: <input type="checkbox"/>	1-5 Years: <input checked="" type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input checked="" type="checkbox"/>	2 Year: <input type="checkbox"/>	
Replace rottent planks				Fasten loose planks			
Element Photo:							
							
Description of Photo:		Deck Top					



Element Photo:




Description of Photo: Deck Top rot

Element Photo:



Description of Photo: Deck Top rot



Element Data:							
Element Group:	Sidewalk/Curb			Length:	12.8		
Element Name:	Curbs			Width:	0.2		
Location:				Height:	0.2		
Material:	Wood			Count:	2		
Element Type:				Total Quantity:	10.2		
Environment:	Benign			Inspected	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	limited <input type="checkbox"/>
Protection System:							Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*		
	sq.m		6.7	1.5	2.0		
Comments: Light weathering, typical. Light to severe checks, typical. 6.0m of very severe rot through timbers.							
Recommended Work:		Rehab: <input type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:			
Urgent: <input type="checkbox"/>	1-5 Years: <input checked="" type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input type="checkbox"/>	2 Year: <input type="checkbox"/>	
Replace rotten timbers							
Element Photo:							
							
Description of Photo:		Curb					



Element Photo:




Description of Photo: Curb

Element Photo:





Description of Photo: Curb



Element Data:						
Element Group:	Barriers		Length:	12.8		
Element Name:	Railing Systems		Width:			
Location:	East and West		Height:	1.3		
Material:	Wood		Count:	2		
Element Type:	Wood Rail > 83mm Thick		Total Quantity:	25.6		
Environment:	Benign		Inspected	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	limited <input type="checkbox"/>
Protection System:						Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*	
	m		25.6			
Comments: Light weathering, typical. Lose connection at east rail 4th post.						
Recommended Work:		Rehab: <input type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:		
Urgent: <input type="checkbox"/>	1-5 Years: <input type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input checked="" type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input type="checkbox"/>	2 Year: <input type="checkbox"/>
Element Photo:						
						
Description of Photo:		Railing				



Element Data:							
Element Group:	Barriers			Length:	0.14		
Element Name:	Posts			Width:	0.14		
Location:				Height:	1.0		
Material:	Wood			Count:	18		
Element Type:	6x6 Timber Post			Total Quantity:	18		
Environment:	Benign			Inspected	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	limited <input type="checkbox"/>
Protection System:							Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*		
	each		16	2			
Comments: Light weathering typical. 2 posts exhibit some medium splintering.							
Recommended Work:		Rehab: <input type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:			
Urgent: <input type="checkbox"/>	1-5 Years: <input type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input checked="" type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input type="checkbox"/>	2 Year: <input type="checkbox"/>	
Element Photo:							
							
Description of Photo:		Railing Post					

Element Data:						
Element Group:	Beams/Main Longitudinal Elements		Length:	3.6		
Element Name:	Crossties		Width:	0.20		
Location:	Under Deck		Height:	0.20		
Material:	Wood		Count:	42		
Element Type:	8x8 Timbers		Total Quantity:	60.0		
Environment:	Benign		Inspected	Yes <input type="checkbox"/>	No <input type="checkbox"/>	limited <input checked="" type="checkbox"/>
Protection System:	Creosote					Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*	
	sq.m		43.5	15.0	1.5	
Comments: Only ends of crossties were visible for inspection. Light to medium checks and splits typical. Isolated severe checks and splits.						
Recommended Work:		Rehab: <input type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:		
Urgent: <input type="checkbox"/>	1-5 Years: <input type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input checked="" type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input type="checkbox"/>	2 Year: <input type="checkbox"/>
Element Photo:						
						
Description of Photo:		Crossties				



Element Photo:




Description of Photo: Cross-ties

Element Photo:

Description of Photo:



Element Data:							
Element Group:	Beams/Main Longitudinal Elements		Length:	3.73, 4.18, 3.53			
Element Name:	Stringers		Width:	0.25			
Location:			Height:	0.45			
Material:	Wood		Count:	18			
Element Type:	Rectangular Solid		Total Quantity:	288.3			
Environment:	Benign		Inspected	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	limited <input type="checkbox"/>	
Protection System:	Creosote						Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*		
	sq.m		244.1	28.8	15.4	1 - Load carrying capacity	
Comments: Light weathering typical. Isolated medium to severe checks and splits. Center span light splintering on the east and west exterior stringers, likely from vehicle impact. North span center stringer 2.0m of rot from abutment with severe bulging, 2nd girder from west 2.0m of rot from abutment, 6th stringer has 1.0m of rot from abutment with severe bulging and 8th stringer has 1.0m of rot from abutment. South span at pier 3rd and 7th stringer has 1.0m of rot from pier, 7th stringer has 1.0 of rot from abutment. Center span at south pier 9th stringer has 1.0m of rot from pier and 8th stringer has 1.0m of rot from north pier.							
Recommended Work:		Rehab: <input checked="" type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:			
Urgent: <input type="checkbox"/>	1-5 Years: <input checked="" type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input type="checkbox"/>	2 Year: <input type="checkbox"/>	
Replace 8 rotten stringers							
Element Photo:							
							
Description of Photo:		Centre span 9th stringer					



Element Photo:




Description of Photo: North span 5th stringer rot and bulging

Element Photo:



Description of Photo: South span 7th stringer rot



Element Data:							
Element Group:	Abutments			Length:			
Element Name:	Abutment Walls/Sill			Width:	3.4		
Location:				Height:	0.69		
Material:	Wood			Count:	2		
Element Type:	Timber Wall			Total Quantity:	4.6		
Environment:	Benign			Inspected	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	limited <input type="checkbox"/>
Protection System:							Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*		
	sq.m		2.8	1.2	0.6		
Comments: Light weathering, typical. Isolated severe checks and splits. North sill has severe rot in 3rd and 6th timbers from west. South sill has severe check at 4th timber from west.							
Recommended Work:		Rehab: <input checked="" type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:			
Urgent: <input type="checkbox"/>	1-5 Years: <input checked="" type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input type="checkbox"/>	2 Year: <input type="checkbox"/>	
Replace poor timber sills							
Element Photo:							
							
Description of Photo:	Sill						



Element Photo:




Description of Photo: Sill Check

Element Photo:



Description of Photo: Sill Rot



Element Data:						
Element Group:	Abutments		Length:			
Element Name:	Ballast Walls		Width:	3.4		
Location:			Height:	0.70		
Material:	Wood		Count:	2		
Element Type:	Timber Wood		Total Quantity:	4.7		
Environment:	Benign		Inspected	Yes <input type="checkbox"/>	No <input type="checkbox"/>	limited <input checked="" type="checkbox"/>
Protection System:						Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*	1 - Load carrying capacity
	sq.m			2.4	2.4	
Comments: Medium weathering throughout. Very severe rot at south ballast wall.						
Recommended Work:		Rehab: <input checked="" type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:		
Urgent: <input type="checkbox"/>	1-5 Years: <input checked="" type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input type="checkbox"/>	2 Year: <input type="checkbox"/>
Replace south ballast wall						
Element Photo:						
						
Description of Photo:		South Ballast Wall, Rot				

Element Photo:




Description of Photo: South Ballast Wall, Rot

Element Photo:

Description of Photo:



Element Data:							
Element Group:	Piers		Length:	0.30			
Element Name:	Shafts/Columns/Pile Bents		Width:	0.30			
Location:			Height:	2.52			
Material:	Wood		Count:	12			
Element Type:	Timber Columns with Capping Beam		Total Quantity:	36.3			
Environment:	Benign		Inspected	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	limited <input type="checkbox"/>	
Protection System:	Creosote						Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*		
	sq.m		17.5	3.6	15.1	1 - Load carrying capacity	
Comments: Light weathering, typical. Newer timber pile cap with medium end splits. Southwest pile has been replaced. Light splintering on outer piles, likely from vehicle collisions. North pier has full height rot in column 1, 2 and 5. South pier has full height rot in 4th column and rot in top half of column 5.							
Recommended Work:		Rehab: <input checked="" type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:			
Urgent: <input type="checkbox"/>	1-5 Years: <input checked="" type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input type="checkbox"/>	2 Year: <input type="checkbox"/>	
Replace 5 timber columns							
Element Photo:							
							
Description of Photo:		North Pier, Column 1					



Element Photo:



Description of Photo: North Pier, Column 2

Element Photo:



Description of Photo: North Pier, Column 5



Element Photo:




Description of Photo: North Pier

Element Photo:




Description of Photo: South Pier



Element Data:							
Element Group:	Piers		Length:	4.35			
Element Name:	Caps		Width:	0.30			
Location:			Height:	0.30			
Material:	Wood		Count:	2			
Element Type:	Timber Cap		Total Quantity:	5.6			
Environment:	Benign		Inspected	Yes <input type="checkbox"/>	No <input type="checkbox"/>	limited <input checked="" type="checkbox"/>	
Protection System:	Creosote						Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*		
	sq.m		4.0	1.6			
Comments: Light weathering, light to medium checks, typical.							
Recommended Work:		Rehab: <input type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:			
Urgent: <input type="checkbox"/>	1-5 Years: <input type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input checked="" type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input type="checkbox"/>	2 Year: <input type="checkbox"/>	
Element Photo:							
							
Description of Photo:		Pier Cap					



Element Data:							
Element Group:	Embankments & Streams			Length:			
Element Name:	Embankments			Width:			
Location:	All Quadrants			Height:			
Material:	Soil, Rocks and Shrubs			Count:	4		
Element Type:				Total Quantity:	4		
Environment:	Benign			Inspected	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	limited <input type="checkbox"/>
Protection System:							Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*		
	each		3	1			
Comments: Medium erosion at the northwest corner and below north abutment timbers resulting in some loss of material at edges of path. Light erosion at all quadrants.							
Recommended Work:		Rehab: <input type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:			
Urgent: <input type="checkbox"/>	1-5 Years: <input type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input checked="" type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input type="checkbox"/>	2 Year: <input type="checkbox"/>	
Element Photo:							
							
Description of Photo:		Northwest Embankment					



Element Photo:




Description of Photo: Southwest Embankment

Element Photo:



Description of Photo: Northeast Embankment



Element Data:							
Element Group:	Embankments & Streams		Length:				
Element Name:	Slope Protection		Width:				
Location:			Height:				
Material:	Rock		Count:	2			
Element Type:	Rock Protection		Total Quantity:	2			
Environment:	Benign		Inspected	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	limited <input type="checkbox"/>	
Protection System:							Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*		
	each		1	1			
Comments: South end in good condition. North end has some medium loss of material with some rock protection appearing to have fallen to the base of the slope.							
Recommended Work:		Rehab: <input type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:			
Urgent: <input type="checkbox"/>	1-5 Years: <input type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input checked="" type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input type="checkbox"/>	2 Year: <input type="checkbox"/>	
Element Photo:							
							
Description of Photo:		South slope protection					

Element Photo:




Description of Photo: North slope protection

Element Photo:

Description of Photo:



Element Data:							
Element Group:	Accessories			Length:			
Element Name:	Signs			Width:			
Location:	North and South of Bridge			Height:			
Material:	Steel			Count:	3		
Element Type:				Total Quantity:	3		
Environment:	Benign			Inspected	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	limited <input type="checkbox"/>
Protection System:							Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*		
	each		1	2			
Comments: Clearance sign is bent and worn at corners. Still in good condition. 2 no motorized vehicles signs bent and not easily visible.							
Recommended Work:		Rehab: <input type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:		18 - Other Maintenance	
Urgent: <input type="checkbox"/>	1-5 Years: <input type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input checked="" type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input type="checkbox"/>	2 Year: <input checked="" type="checkbox"/>	
				Relocate no motorized vehicles to be easily visible.			
Element Photo:							
							
Description of Photo:		No motorized vehicles sign					

Element Photo:





Description of Photo: Clearance sign

Element Photo:

Description of Photo:



Element Data:							
Element Group:	Accessories			Length:			
Element Name:	Utilities			Width:			
Location:	North and South of Bridge			Height:			
Material:				Count:	1		
Element Type:	Cable			Total Quantity:	1		
Environment:	Benign			Inspected	Yes <input type="checkbox"/>	No <input type="checkbox"/>	limited <input checked="" type="checkbox"/>
Protection System:							Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*		
	each			1			
Comments: Limited inspection due to cable height. Does not appear to be properly supported.							
Recommended Work:		Rehab: <input type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:			
Urgent: <input type="checkbox"/>	1-5 Years: <input type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input checked="" type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input type="checkbox"/>	2 Year: <input type="checkbox"/>	
Element Photo:							
							
Description of Photo:		Utility					

Element Data:							
Element Group:	Approaches			Length:	6.0		
Element Name:	Wearing Surface			Width:	3.6		
Location:	North and South end of Bridge			Height:			
Material:	Gravel			Count:	2		
Element Type:				Total Quantity:	43.2		
Environment:	Benign			Inspected	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	limited <input type="checkbox"/>
Protection System:							Performance Deficiencies
Condition Data:	Units	Excellent	Good	Fair	Poor*		
	sq.m		43.2				
Comments: Light rutting. No other observed defects.							
Recommended Work:		Rehab: <input type="checkbox"/>	Replace: <input type="checkbox"/>	Maintenance Needs:			
Urgent: <input type="checkbox"/>	1-5 Years: <input type="checkbox"/>	6-10 Years: <input type="checkbox"/>	None: <input checked="" type="checkbox"/>	Urgent: <input type="checkbox"/>	1 Year: <input type="checkbox"/>	2 Year: <input type="checkbox"/>	
Element Photo:							
							
Description of Photo:		Approach looking south					



**Element Photo:**



**Description of Photo:** Approach looking north

**Element Photo:**

**Description of Photo:**

Repair and Rehabilitation Required:		Priority				Estimated Structural Cost
Element <sup>1</sup>	Repair and Rehabilitation Required <sup>2</sup>	6 to 10 Years	1 to 5 Years	Within 1 Year	Urgent	
Structure	Demolition					
Structure	Replacement					
OR						
Deck	Rehab. = Replace Rotten Planks		X			\$2,000.00
Sidewalk/Curb	Rehab. = Replace Rotten Curbs		X			\$5,000.00
Barrier	Rehab. =					
Joints	Rehab. =					
Beams	Rehab. = Replace Rotten Stringers		X			\$50,000.00
Abutment	Rehab. = Replace Ballast Wall		X			\$12,000.00
Pier	Rehab. = Replace Rotten Columns		X			\$11,000.00
Other						
Estimated Rehabilitated or Replacement Structure Dimensions <sup>3</sup>						
Total Deck Length (m)		Overall Str. Width (m)		Total Structural Cost		\$80,000.00

- 1 - Indicate specific costs for structure replacement OR for rehabilitation under the given headings.  
2 - Give a very brief description of the rehabilitation work required.  
3 - Estimated structure dimensions after completion of the proposed work - if it is expected to change.

Associated Work	Comments	Estimated Associated Work Cost
Approaches		
Detours		
Traffic Control		\$5,000.00
Utilities		
Other	<b>Engineering and Contingency</b>	\$15,000.00
	<b>General, Mobilization/Demobilization, Access, General</b>	\$40,000.00
Total Associated Work Cost		\$60,000.00
Total Construction Cost		\$140,000.00

**Justification:**

The deteriorated timber deck, curbs, ballast wall, stringers and columns should be replaced as the rot will continue to progress. Signs of bulging and deterioration are already evident for severe rot.