

Bridge Inspection							
Bridge File Number	77235 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1954/1954			Lot No.	2		
Bridge or Town Name	SHEERNESS			Inspector Name	Jason Saly		
Located Over	2ND ORDER TRIBUTARY TO BERRY CREEK, 3.14.10.1, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	577:02 C1 9.309			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	08-Jun-2011		
Legal Land Location	NW SEC 20 TWP 29 RGE 12 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-111:40:09, 51:29:49			Data Entry Date	28-Jun-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA21			Review Date	18-Jun-2011		
Clear Roadway/Skew	7.3 / 30 deg. (RHF)			Dept. Reviewer Name	Chris Black		
AADT/Year	60 / 2010 (A)			Dept. Review Date	30-Jun-2011		
Road Classification	RLU-209G-90			Follow-Up By			
Detour Length (km)	2						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 62 GIRDER	---> On Critical Spans --->Critical Member
Design Loading:	HS20						---> Primary Span

Posting Information								
Required Load Posting (t)			Single		Semi		Truck Train	
Posted Loading (t)			Single		Semi		Truck Train	
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No
Remarks	Not required							

Hazard Marker At Bridge (Y/N)	Yes
Remarks	
Other Sign Types	

Utilities (Located at)			
Utility Attachments			
Telephone	W R/W	Gas	
Power	3 wire OH 12m W of c/l.	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Farm & field approaches 70m & 90m S. Hill 300m S
Vertical Alignment		7	7	
Roadway Width (m)	7.500			Insufficient posts.
Approach Bump		5	5	
Guardrail (Y/N)	Yes			
Guardrail		6	6	
Length (m)	11.400			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>PG, 1 Spans, Lengths(m): 6.1, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X	File tags all 4 corners.	
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Covered by gravel.
<b>Last</b>	0	0	0	0	
<b>Now</b>	30.0	0.0	0.0	0.0	
Wearing Surface			7	6	Some cold mix.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>100</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	5	
Deck Joints			N	X	No formal deck joints.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Hairline cracks on curbs. Minor grader scrapes.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		2			
Bridge Rail			7	7	Single layer flexbeam  Installed flat against curb
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts		5	5		
(Type : <b>TREATED TIMBER;TREATED TIMBER</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			6	6	Minor hairline flex cracks near ends. Narrow longit. crack outside AZ in 6 & 9.
Last Complete Inspection Date		08-Jun-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : <b>10</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			Bridge skew has rotated bridge 200mm. Keep plates installed @ N.
Horizontal (Y/N)		Yes			
<b>Superstructure General Rating</b>			<b>6</b>	<b>6</b>	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1500)					
(Total Number of Caps/Corbels : 3:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Bearing Seats/Caps/Corbels				5	5
(Type : TREATED TIMBER)					
(Depth(mm) : 350)					
(Width(mm) : 300)					
Backwalls/Breastwalls			6	6	
Greatest Height (m)		2.80			
Wingwalls			7	6	
(Total Number of Bearing Piles : 5:5)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	0	0	0	0	
Piles				6	5
Paint/Coating				X	X
Abutment Stability			4	4	
Scour/Erosion			7	7	
<b>Piers/Bents</b>					
(Type : )					
(Total Number of Caps/Corbels : )					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Bearing Seats/Caps/Corbels				X	X
(Type : )					
(Depth(mm) : )					
(Width(mm) : )					
(Total Number of Bearing Piles : )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Pier Shaft/Piles				X	X
Greatest Height (m)					
Bracing/Struts/Sheathing			X	X	
Nose Plate			X	X	
Paint/Coating				X	X
(Colour Description : )					
(Colour Code : )					
Pier Stability			X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>4</b>	<b>4</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>E</b> )				
(D/S Direction : <b>W</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	6	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>6</b>	

Maintenance Recommendations										
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #				
REPAIR/REPLACE BRIDGE RAIL										
SEAL CURBS										
PATCH DECK										
OVERLAY DECK										
STRAIGHTEN/REPLACE MEMBERS										
WASHING										
SHOTCRETE REPAIRS										
CORE TIMBER CAPS/CORBELS										
REPAIR/REPLACE TIMBER CAPS										
REPAIR ABUTMENT SCOUR/EROSION										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL STRUTS										
OTHER ACTION	2015	Install struts 10 x 5.7m.								
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>65.2/63.1</b>	<b>Est. Repl. Yr</b>	<b>2024</b>	<b>Maint. Req. (Y/N)</b>	<b>Yes</b>			
Special Comments for Next Inspection	There is a spring u/s that runs through bridge year round.		Department Comments							
Maintenance Reviewed By			Date		Estimated Total	0				
Proposed Long-Term Strategy	2004.12.27 Bridge should be ok until 2020. Monitor caps normal BIM.									
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Cameron Baron		Previous Assistant's Name							
Next Inspection Date	08-Sep-2014		Previous Inspection Date	21-Sep-2008						
Inspection Cycle (Default) (months)	39									
Comment										

**Maintenance Recommendations**

Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL						
SEAL CURBS						
PATCH DECK						
OVERLAY DECK						
STRAIGHTEN/REPLACE MEMBERS						
WASHING						
SHOTCRETE REPAIRS						
CORE TIMBER CAPS/CORBELS						
REPAIR/REPLACE TIMBER CAPS						
REPAIR ABUTMENT SCOUR/EROSION						
PLACE ADDITIONAL RIP RAP						
REMOVE DRIFT ACCUMULATION						
INSTALL STRUTS						
OTHER ACTION	2015	Install struts 10 x 5.7m.		2015		
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						

<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>65.2/63.1</b>	Est. Repl. Yr	2024	Maint. Req. (Y/N)	Yes
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Special Comments for Next Inspection	There is a spring u/s that runs through bridge year round.	Department Comments	Programmed in PBM for replacment in 2015, but should be pushed back until 2024 based of current condition. DA
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Maintenance Reviewed By	Darron Ahlstedt	Date	20-Aug-2012	Estimated Total	0
Proposed Long-Term Strategy	2004.12.27 Bridge should be ok until 2020. Monitor caps normal BIM.				
On 3-Year Program (Y/N)					
Proposed Action					
Previous Inspector's Name	Cameron Baron	Previous Assistant's Name			
Next Inspection Date	08-Sep-2014	Previous Inspection Date	21-Sep-2008		
Inspection Cycle (Default) (months)	39				

Comment	
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