

Bridge Inspection										
Bridge File Number	81131 -1 Bridge				Form Type	SG				
Year Built/Year Supstr	1987/1987				Lot No.	2				
Bridge or Town Name	BURMIS				Inspector Name	Garry Roberts				
Located Over	CASTLE RIVER, 2.12.35, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	507:02 C1 9.897				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	28-Nov-2012				
Legal Land Location	SW SEC 27 TWP 6 RGE 2 W5M				Data Entry By	Kelsey Roberts				
Longitude, Latitude	-114:12:08, 49:30:03				Data Entry Date	03-Jan-2013				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey				
Contract Main. Area	CMA26				Review Date	06-Dec-2012				
Clear Roadway/Skew	9 / -20 deg. (LHF)				Dept. Reviewer Name	Tim Davies				
AADT/Year	600 / 2011 (A)				Dept. Review Date	08-Jan-2013				
Road Classification	RCU-209-110				Follow-Up By					
Detour Length (km)	40									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member			
Design Loading:	MS300						----> 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 req.								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types	Steep hill, slippery, River ID								

Utilities (Located at)										
Utility Attachments										
Telephone	East Row				Gas					
Power	East Row				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	In sag curve				
Vertical Alignment			6	6					
Roadway Width (m)			10.000						
Approach Bump			6	6					
Guardrail (Y/N)			Yes		Minor damage @ NW				
Guardrail			6	4	Marginal splice at SE and missing 1 splice bolt at NW.				
Length (m)			99.000		Not thriebeam				
Current Standard (Y/N)			No						
Termination Type			TURNED DOWN						
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>WG, 3 Spans, Lengths(m): 43-54-43, A-Ident Number: A1074-01</b> )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			5	5	2 full length LONGITUDINAL CRACKS - and minor ravelling at North joint in SBL. Transverse cracks over piers.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>90</b> )					
Deck Top			N	N	Paved
Deck Rideability			7	7	
Deck Joints			3	3	Armoured gland @ North abut Finger plates @ s abut All finger welds broken
Temperature (deg. C)		-6			
(Expansion Type : <b>FINGER PLATES</b> )					
(Fixed Type : <b>ARMOURED GLAND (WABO UNDER FINGER OR SLIDING PLATES)</b> )					
Gap Size (mm)		Gap Location			
40		N. abut			
105		S. abut			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			6	7	Curb cracking along face curb approx 1.0 m (transverse) spacing 0.3 to 0.4 wide.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			8	8	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			8	8	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	6	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
<b>Girder/Beam</b>					
Cover Plate			X	X	
Flange			8	8	
Web			8	8	
Stiffeners			8	8	
Splice			8	8	
Weld			8	8	
Diaphragms/Cross Frame			7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>WG, 3 Spans, Lengths(m): 43-54-43, A-Ident Number: A1074-01</b> )					
Paint Condition		X	X	weathering steel	
(Colour Description : )					
(Colour Code : )					
Touchup Required (Y/N)	No				
Bearings		8	8		
Temperature (deg. C)	-6				
(Expansion Type : <b>POT BEARING</b> )					
(Fixed Type : <b>POT BEARING</b> )					
Coating Adequate (Y/N)	Yes				
Functioning (Y/N)	Yes				
Deck Underside		7	7	Efflorescence @ underside exterior @ hairline cracks.	
Stains (Percent Area)	1				
<b>Span Alignment Problems</b>					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
<b>Superstructure General Rating</b>		<b>7</b>	<b>7</b>		
Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
Bearing Seats/Caps		8	8		
(Type : <b>CONCRETE</b> )					
Backwalls/Breastwalls		8	8		
Wingwalls		8	8		
Piles		N	N		Buried
Paint/Coating		X	X		
Abutment Stability		8	8		
Scour/Erosion		8	8		
<b>Piers/Bents</b>					
(Type : <b>PIER-SOLID</b> )					
Bearing Seats/Caps		8	8		
(Type : <b>CONCRETE</b> )					
(Total Number of Bearing Piles : <b>0:0</b> )					
Pier Shaft/Piles		8	8		
Bracing/Struts/Sheathing		X	X		
Nose Plate		8	8		
Paint/Coating		X	X		
(Colour Description : )					
(Colour Code : )					
Pier Stability		8	8		
Scour		6	7		
Debris (Y/N)	No				
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>		

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		6	6	Settlement of headslopes being monitored (pieziometer tubes visible).
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : <b>RIP RAP; RIP RAP</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>7</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK	2013	Crack seal ACP					
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2013	Weld all South abut joint fingers					
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>83.3/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>68.9/67.6</b>	Est. Repl. Yr	2048	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	28-Feb-2016		Previous Inspection Date	11-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							