

Bridge Inspection									
Bridge File Number	77878 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1974/1974				Lot No.	4			
Bridge or Town Name	BURMIS				Inspector Name	Garry Roberts			
Located Over	CROWSNEST RIVER, 2.12.37, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	507:02 C1 0.860				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	28-Nov-2012			
Legal Land Location	SW SEC 18 TWP 7 RGE 2 W5M				Data Entry By	Kelsey Roberts			
Longitude, Latitude	-114:16:14, 49:33:25				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	8.8 / 20 deg. (RHF)				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)	20								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> 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	River ID								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	East Row				Gas				
Power	West side (5 wire - 100 m)				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	In sag curve				
Vertical Alignment			6	6					
Roadway Width (m)	8.800				Missing 1 splice bolt at SW, 3 at SE and 7 loose at SE. Not thriebeam				
Approach Bump			6	6					
Guardrail (Y/N)	Yes								
Guardrail			5	4					
Length (m)	60.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VF, 2 Spans, Lengths(m): 36.6-36.6, A-Ident Number:)					
Special Features					
Special Feature		7	7		
(Type : EXT LATER POST TENS)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface		7	7	Key cracks @ both spans	
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top		N	N		
Deck Rideability		7	7		
Deck Joints		6	7	Fixed @ south Abut	
Temperature (deg. C)		-6			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
Gap Size (mm)		Gap Location			
60		N. abut			
75		Pier			
75		S. abut			
Deck Drainage		8	7		
Drains Clogged (Y/N)		No			
Curbs/Median		5	5	Medium scaling @ top @ W curb @ S span. Isolated visible rebar.	
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail		7	7	2 A/B nuts with insufficient thread. Several welded. 10% grout pad spalls.	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		4	4	Isolated scrapes.	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		5	5		
(Type : GALVANIZED)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders		4	4	DIAG MED cracks at both abutments @ chamfer & 0.3 mm wide longitudinal cracks in sides of webs - typical cracks. 6/span	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 12)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : VF, 2 Spans, Lengths(m): 36.6-36.6, A-Ident Number:)				
Diaphragms/Cross Frame		6	6	Hairline cracks, efflorescence.
Bearings		7	7	Fixed at A1. Pier bearings are tied between spans.
Temperature (deg. C)	-6			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		7	7	Curtain walls.
Piles		N	N	Buried
Paint/Coating		4	4	Stained at south abut but may be previous to joint install.
Abutment Stability		8	8	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		5	5	Light staining at pier cap may be previous to joint install. Pigmented sealer.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	Natural at headslopes
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	62.8/62.6	Est. Repl. Yr	2033	Maint. Req. (Y/N)	No
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	10-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							