

Bridge Inspection							
Bridge File Number	01669 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1966/1966			Lot No.	2		
Bridge or Town Name	CARDSTON			Inspector Name	Jason Rusu		
Located Over	LEE CREEK, 2.12.20.8, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	501:00 C1 23.825			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	09-Jun-2012		
Legal Land Location	SW SEC 9 TWP 3 RGE 25 W4M			Data Entry By	Kelsey Roberts		
Longitude, Latitude	-113:18:46, 49:11:19			Data Entry Date	20-Jul-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Garry Roberts		
Contract Main. Area	CMA25			Review Date	10-Jul-2012		
Clear Roadway/Skew	8.5 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	190 / 2011 (A)			Dept. Review Date	30-Jul-2012		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	1						
Allowable Load (t):	Single	CS1 41 GIRDER	Semi	CS2 55 GIRDER	Train	CS3 75 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	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No
Posted:	Lane	WB	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	NONE							

Utilities (Located at)			
Utility Attachments			
Telephone	south	Gas	
Power	70m E OF BRIDGE.	Municipal	
Others		Problem (Y/N)	No
Remarks	AGT CONDUIT CLIPPED TO BRIDGE RAIL. @ South		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	In town
Vertical Alignment		6	6	
Roadway Width (m)	9.600			
Approach Bump		6	6	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)				
Termination Type				
Drainage		6	6	
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FC, 3 Spans, Lengths(m): 18.3-18.3-18.3, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
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	
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 90)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			3	3	strip seal joints(S-502 ACME SEAL) at all four deck joints Staining @ piers-suspect glands leak West Pier Joint Has 700mm long section of steel extrusion torn out @ center - Gland split @ this location - photo.
Temperature (deg. C)		8			
(Expansion Type :)					
(Fixed Type : COMPRESSION SEAL (ACME SEALS))					
Gap Size (mm)		Gap Location			
32		E. abut			
34		E. pier			
36		W. pier			
28		W abut			
Deck Drainage			4	4	Due to suspected leakage @ piers. No drains on deck. End drains are clear.
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	Minor scrapes from grader @ N curb
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			7	7	Local scrape or peeling of green paint exposes blue paint & primer.
(Type : VERTICAL BAR)					
Bridge Rail Posts			7	7	
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			5	5	
(Type : PAINT)					
Sidewalk			7	7	1.8m wide edge to edge-along N. side
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			5	5	Graffiti at ends of girders Typical chamfer cracks and cracks at sole plates
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 18)					
Diaphragms/Cross Frame			5	5	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 3 Spans, Lengths(m): 18.3-18.3-18.3, A-Ident Number:)				
Bearings		7	7	Neoprene pads @ all bearings
Temperature (deg. C)	15			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Some minor Leakage staining between Girders @ North
Stains (Percent Area)	2			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	Buried
Paint/Coating		5	5	
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 5:5)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		4	4	Corrosion @ bottom of piles
(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 : S)				
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		5	5	
HWM (m below Top of Curb)	2.0			No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	u/s E bank armoured in concrete debris
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

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	2012	Repair West pier buffer - replace seals at both piers					
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) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	70.1/70.1	Est. Repl. Yr	2036	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	09-Sep-2015		Previous Inspection Date	18-Jun-2009			
Inspection Cycle (Default) (months)	39						
Comment							