

Bridge Inspection									
Bridge File Number	78812 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1998/1998				Lot No.	4			
Bridge or Town Name					Inspector Name	Garry Roberts			
Located Over	BOW RIVER, 2.13, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	201:08 R1 2.104;201:08 L1 1.888				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	16-Aug-2011			
Legal Land Location	SW SEC 4 TWP 25 RGE 2 W5M				Data Entry By	Alyssa Boynton			
Longitude, Latitude	-114:13:58, 51:05:50				Data Entry Date	09-Sep-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	DEERFOOT/STONE Y				Review Date	24-Aug-2011			
Clear Roadway/Skew	19.3 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	35,490 / 2010 (A)				Dept. Review Date	16-Sep-2011			
Road Classification					Follow-Up By				
Detour Length (km)									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750						----> Primary Span		
Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train		
Posted Loading (t)	Single				Semi		Truck Train		
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	NB	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	Not req.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	In area				Gas				
Power	West and in area.				Municipal		Light standards		
Others	RWIS tower at NE				Problem (Y/N)		No		
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Located in horizontal curve				
Vertical Alignment			6	6					
Roadway Width (m)	24.000				Estimate				
Approach Bump			6	6					
Guardrail (Y/N)									
Guardrail			7	7	Concrete barriers at all corners. 30m at SW. 80m at NE, other corners are continuous.				
Length (m)	30.000								
Current Standard (Y/N)	Yes								
Termination Type	Sloped End								
Drainage			7	7					
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PB, 5 Spans, Lengths(m): 85-102-102-102-85, A-Ident Number:)					
Special Features					
Special Feature			7	Pedestrian bridge suspended under spans. 2 and 3 with galvanized dwydag rod.	
(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	PMA asphalt
(Material Type : POLYMER MODIFIED ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Paved over.
Deck Rideability			8	8	
Deck Joints			7	6	Multicell open gland joints at both abuts. Abut. 1 South-15,20,25,40,45,30 Abut. 2 North-40,20,20,15,10 - 15mm gap at South approach joint. - 20mm at North approach joint. Minor spalls in South paving lip of SBL.
Temperature (deg. C)		18			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
30		Abut 1- South			
20		Abut. 2- North			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Minor spalling of parge coating at isolated areas of parapet bases. Concrete barriers
(Curb Type : Standard)					
Scaling (Percent Area)		2			
Bridge Rail			7	7	
(Type : STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			5	5	
(Type : PAINT)					
Sidewalk			7	7	Suspended under Span 2 and 3
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			7	7	
Cracking (Y/N)		No			
Spalling (Percent Area)					
(Number Of Girders : 2)					
Diaphragms/Cross Frame			N	N	Internal Diaphragms

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PB, 5 Spans, Lengths(m): 85-102-102-102-85, A-Ident Number:)				
Bearings		7	7	Appear to be reinforced neoprene pads at piers. Drawings not available at this inspection to confirm. Bearings are encased in pigeon wire.
Temperature (deg. C)	18			
(Expansion Type :)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		N	N	Top of seat recessed and not visible
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	Buried.
Paint/Coating		6	5	Isolated peeling
Abutment Stability		8	8	
Scour/Erosion		8	7	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		8	8	
(Type :)				
(Total Number of Bearing Piles : 0:0:0:0)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		7	6	Pigmented sealer
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		8	8	Geo-grid and natural at South headslope. Concrete with rock inlay at North headslope.
(Type : RIP RAP; CONCRETE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

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) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	68.1/62.8	Est. Repl. Yr	2075	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	16-May-2013		Previous Inspection Date	19-Nov-2009			
Inspection Cycle (Default) (months)	21						
Comment							