

Bridge Inspection									
Bridge File Number	01427 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1957/1957				Lot No.	2			
Bridge or Town Name	MOUNTAIN VIEW				Inspector Name	Jason Rusu			
Located Over	BELLY RIVER, 2.12.22, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	5:02 C1 7.668				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	28-Oct-2011			
Legal Land Location	SW SEC 17 TWP 2 RGE 28 W4M				Data Entry By	Alyssa Boynton			
Longitude, Latitude	-113:42:54, 49:07:25				Data Entry Date	21-Nov-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA25				Review Date	09-Nov-2011			
Clear Roadway/Skew	8.5 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	710 / 2010 (A)				Dept. Review Date	25-Nov-2011			
Road Classification	RAU-209-110				Follow-Up By				
Detour Length (km)	42								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> 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 req.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	River ID narrow road, curve								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	@ SOUTH R/W				Gas				
Power	3 W 75 m NORTH				Municipal				
Others	AGT CONDUIT ALONG S. GIRDER				Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Bot of long sag Road flares out to 12.0 @ ends.					
Vertical Alignment		6	6						
Roadway Width (m)	12.000								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			6	6	Not thrie beam 6 bolts missing (2 at SE, 2 at NW, 2 at SW)				
Length (m)	99.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			4	4	Animal Holes dug under drains @ NW & SW				
Approach Road General Rating		6		6					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : PO, 4 Spans, Lengths(m): 24.4-24.7-24.7-24.4, 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			4	4	Pothole W of center pier @ span 2 Estimate 2.0m2	
(Material Type : ACP)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			5	5		
Deck Joints			4	4	Seal is out of pier 2 abutment 1 and Abut.2 extrusion. 100mm tear @ W pier-in top of gland only	
Temperature (deg. C)		5				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
105		E. abut				
100		E. pier				
105		Mid pier				
95		W. pier				
95		W. abut				
Deck Drainage			3	3	Ponding @ span 2 @ S gutter @ EBL 3m W of center pier- photo extends into driving lane.	
Drains Clogged (Y/N)		No				
Curbs/Median			5	4	transverse cracks, grader scrapes. Minor spall at SW. Damage to curb plate at SW abut joint.	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			6	6	MINOR BENDS @ VERTICALS @ SW PANEL Cracking at estimated 6 posts.	
(Type : GALVANIZED STEEL VERTICAL BAR)						
Bridge Rail Posts			5	5		
(Type : CONCRETE;CONCRETE)						
Bridge Rail/Posts Coating			6	6		
(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			5	5	Minor cracking at abut bearings by steel plates on bottoms of girders. Vertical end of girder cracks on S. side over pier 1 and PIER 3 @ N @	
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
(Number Of Girders : 28)						
Diaphragms/Cross Frame			7	7	SOME MINOR EFFLORESCENCE	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 4 Spans, Lengths(m): 24.4-24.7-24.7-24.4, A-Ident Number:)				
Bearings		6	5	Surface rust - half on W. abut rusty and outside bearings @ piers.
Temperature (deg. C)	6			
(Expansion Type : ROCKER BEARING)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Minor CRACKS @ deck underside at exteriors.
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		6	6	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		6	6	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		8	8	
Scour/Erosion		5	4	Minor erosion under SE drain. Erosion at SE head slope from approach road drainage.
Piers/Bents				
(Type : PIER-COLUMN)				Some staining & vert hairline cracks.
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0:0)				Vert cracks - mid pier shaft 2 mm; numerous h. line cracking both sides
Pier Shaft/Piles		6	6	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	Nose plate surface corrosion
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	Yes			Log & debris @ pier - minor
Substructure General Rating		6	6	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		6	6	Drift-lots of trees @ banks & d/s gravel bar.
HWM (m below Top of Curb)	2.6			No visible HWM. Undercut banks U/S & D/S.
Drift (Y/N)	Yes			
Slope Protection (Type : CONCRETE; CONCRETE)		7	7	Concrete apron. at West. Class 3 at both headslopes.
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	2012	Patch pothole Sp. 2- 2m2					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2012	Replace/repair P1 and P2 seal- Reinstall Abut. 2 and abut.1 seal.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Fill holes @ NW and SW trough drains @ slideslope					
OTHER ACTION	2012	Repair SW curb plate at abutment joint.					
OTHER ACTION	2012	Replace missing splice bolts at guardrail.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	51.7/51.7	Est. Repl. Yr	2030	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-Jul-2013		Previous Inspection Date	18-Oct-2009			
Inspection Cycle (Default) (months)	21						
Comment							