

Bridge Inspection									
Bridge File Number	01491 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1991/1991				Lot No.	3			
Bridge or Town Name	FORESTBURG				Inspector Name	Jason Saly			
Located Over	BATTLE RIVER, 5, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	855:06 C1 23.597				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	03-Jun-2010			
Legal Land Location	NW SEC 36 TWP 40 RGE 16 W4M				Data Entry By	Jill Potts			
Longitude, Latitude	-112:11:02, 52:29:12				Data Entry Date	01-Jul-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA21				Review Date	24-Jun-2010			
Clear Roadway/Skew	9.2 /				Dept. Reviewer Name	Chris Black			
AADT/Year	390 / 2009 (A)				Dept. Review Date	06-Jul-2010			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	30								
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	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 required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others	(SE abutment elect rectifier. 11/Feb/2009)				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Curves at top of both hills. Long gradual sag curve through valley. Park intersection at both ends.				
Vertical Alignment			5	5					
Roadway Width (m)	10.500								
Approach Bump			6	6					
Guardrail (Y/N)	Yes				Accident damage @ SW, 1 post broken. SE guardrail at 4th connection missing splice bolt.				
Guardrail			4	4					
Length (m)	68.000								
Current Standard (Y/N)	Yes								
Termination Type	Turn Down								
Drainage			3	3	Erosion at NW corner 0.5m deep and extends 0.5m under approach slab.				
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CBC, 3 Spans, Lengths(m): 26-32-20, 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					
Wearing Surface			6	5	Water proof membrane. Wide random transverse crack. Transverse and random cracks reflecting through chipseal coat.
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			7	7	
Temperature (deg. C)		19			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
67		South abutment - A1			
89		North abutment - A2			
Deck Drainage			7	7	Bridge on grade, drains to South.
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	Vertical medium wide cracks up face of curb @ 300-900mm intervals.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now					
Girders			7	7	Vertical cracks in CIP section over piers at SW, NE & NW varying from narrow to medium.
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : 21)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CBC, 3 Spans, Lengths(m): 26-32-20, A-Ident Number:)				
Diaphragms/Cross Frame		8	8	
Bearings		8	8	
Temperature (deg. C)	19			
(Expansion Type :)				
(Fixed Type :)				
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		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	Backwall has been sealed.
Wingwalls		7	7	
Piles		N	N	Medium vertical cracking.
Paint/Coating		7	7	
Abutment Stability		8	8	Backwall staining.
Scour/Erosion		6	6	Minor erosion.
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		8	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 5:5)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		8	8	
Nose Plate		X	X	
Paint/Coating		7	7	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		N	N	Water.
Debris (Y/N)	No			
Substructure General Rating		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		8	8	
Bank Stability		8	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		8	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2010	Missing splice bolt at SE.					
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	2010	One post 6" x 8" x 7' SW corner.					
OTHER ACTION	2010	Repair erosion at NW approach slab.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	72.1/70.4	Est. Repl. Yr	2051	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	03-Sep-2013		Previous Inspection Date	11-Feb-2009			
Inspection Cycle (Default) (months)	39						
Comment							