

Bridge Inspection				
Bridge File Number	76439 -1 Bridge		Form Type	PCS
Year Built/Year Supstr	1966/1966		Lot No.	1
Bridge or Town Name	BLUEBERRY MT		Inspector Name	Russel Vanderschaaf
Located Over	TRIBUTARY TO JOSEPHINE CREEK, 8.10.83.3.1, WATERCRS-ST		Inspector Class	BR CLS B
Located On	681:02 C1 39.044		Assistant Name	
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	06-Mar-2012
Legal Land Location	SW SEC 28 TWP 81 RGE 9 W6M		Data Entry By	Theresa Lacusta
Longitude, Latitude	-119:20:56, 56:02:36		Data Entry Date	27-Mar-2012
Road Authority	Alberta Transportation (AIT)		Reviewer Name	Eric Carcoux
Contract Main. Area	CMA05		Review Date	22-Mar-2012
Clear Roadway/Skew	11 /		Dept. Reviewer Name	David Morrison
AADT/Year	320 / 2011 (A)		Dept. Review Date	28-Aug-2012
Road Classification	RAU-210-110		Follow-Up By	
Detour Length (km)	6			

Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 65 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	3/4 posts installed too high.
Other Sign Types	

Utilities (Located at)			
Utility Attachments			
Telephone	15 M S. OF C/L	Gas	250 M west, x's hwy.
Power	16M N. OF C/L 3 LINE	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Approach 30m E N. side 60m E side.
Vertical Alignment		7	7	
Roadway Width (m)	8.600			
Approach Bump		5	5	
Guardrail (Y/N)	Yes			
Guardrail		7	7	
Length (m)	23.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS.			
Drainage		7	7	
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 6.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Partly snow covered.
Last	85	0	0	0	
Now	20.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	(G8 has spalling on S. side with exposed rebar 18-Aug-2006) Snow covered Map cracking around several lift pockets.
Deck Rideability			5	5	100mm gap between girders & ACP W. end. Gaps between G4 & G5 E end and G7) G8 due to spalls. Snow covered.
Deck Joints			N	7	(About 1/2 of buffer angles missing. 18-Aug-2006)
Bump (Y/N)		Yes		Covered by ACP.	
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			N	4	Grader scrapes at ends
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			5	5	Minor dent on N. bridgerail.0.5m long.
(Type : FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type :)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	5	
Now				8	
Girders			3	3	G2,3,4,5,6,7,8, 13 have wide transverse cracks. G3,4,5, 6, 7, 8 9, 10 have spalls extending into AZ on 2 legs (photo) with sound concrete above reinforcing bar. G2, 3, 4, 11 have spalls extending into AZ on 1 leg. NE end and W ends G5, West ends G8, SW end. G6 and West and East ends. G7 have reduced bearing at abutments due to spalls.-photo
Last Complete Inspection Date		06-Mar-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		40			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 13)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : HC, 1 Spans, Lengths(m): 6.1, A-Ident Number:)							
Superstructure General Rating		3	3				
Substructure							
Bridge Component		Last	Now	Explanation of Condition			
Abutments							
(Extended Backwall Piles (Y/N) : Y)							
(Extended Backwall Piles Spacing(mm) : 2000)							
(Total Number of Caps/Corbels : 3:3)				Cored caps (18/Aug/06) BACKWALL CLAMPS ROCK IN STREAM CHANNEL SW cap is too short 200mm bearing on pile.			
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)			3 (count)	
Last	0	0	0			0	
Now							
Bearing Seats/Caps/Corbels			4	4			
(Type : TREATED TIMBER)							
(Depth(mm) : 350)							
(Width(mm) : 300)							
Backwalls/Breastwalls			6	6			
Greatest Height (m)		2.30					
Wingwalls			6	6			
(Total Number of Bearing Piles : 9:9)				Cored piles (18/Aug/06) P1 & P5 east abutment rotten.-photos			
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)			3 (count)	
Last	0	0	0			2	
Now				2			
Piles			3	3			
Paint/Coating			X	X			
Abutment Stability			6	3	NE end and W ends G5, West ends G8, SW end G6, and West and East end G7 have reduced bearing at abutments due to spalls.-photo		
Scour/Erosion			6	6			
Piers/Bents							
(Type :)							
(Total Number of Caps/Corbels :)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Bearing Seats/Caps/Corbels			X	X			
(Type :)							
(Depth(mm) :)							
(Width(mm) :)							

Substructure						
Bridge Component				Last	Now	Explanation of Condition
(Total Number of Bearing Piles :)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Pier Stability				X	X	
Scour				X	X	
Debris (Y/N)		No				
Substructure General Rating				3	3	

Structure Usage						
				Last	Now	Explanation of Condition
Channel						
(U/S Direction : N)						
(D/S Direction : S)						
Alignment				7	7	NO HWM VISIBLE.
Bank Stability				7	7	
HWM (m below Top of Curb)						
Drift (Y/N)		No				
Slope Protection				8	8	
(Type :)						
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							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Replace structure.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	33.3/33.3	Sufficiency Rating (Last/Now) (%)	60.2/60.1	Est. Repl. Yr	2013	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Bridge scheduled for replacement-12-Jan-2009.		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	Laurie McCarron		Previous Assistant's Name	Russel Vanderschaaf			
Next Inspection Date	06-Jun-2015		Previous Inspection Date	12-Jan-2009			
Inspection Cycle (Default) (months)	39						
Comment							