

Bridge Inspection									
Bridge File Number	09096 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1963/1963				Lot No.	2			
Bridge or Town Name	DEL BONITA				Inspector Name	Jason Rusu			
Located Over	NORTH MILK RIVER, 1.21, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	501:02 C1 32.082				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	09-Jun-2012			
Legal Land Location	NE SEC 11 TWP 1 RGE 23 W4M				Data Entry By	Kelsey Roberts			
Longitude, Latitude	-112:58:10, 49:01:35				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	9.1 / -30 deg. (LHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	310 / 2011 (A)				Dept. Review Date	30-Jul-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	12								
Allowable Load (t):	Single		Semi		Train				---> 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									
Utilities (Located at)									
Utility Attachments									
Telephone	S. SIDE OF ROAD				Gas				
Power	2W 20m N of CL				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	CURVE TO WEST				
Vertical Alignment			6	6					
Roadway Width (m)	10.000								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	12.000								
Current Standard (Y/N)	No								
Termination Type	TURNDOWN								
Drainage			6	6	Some undermining of west trough drains - still stable. Minor spall at SW trough.				
Approach Road General Rating			6	6					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : PM, 3 Spans, Lengths(m): 15.2-15.2-15.2, 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			8	7		
(Material Type : ACP)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			N	N	Paved over. Saw cut & tar filled all locations.	
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage			7	7		
Drains Clogged (Y/N)		Yes				
Curbs/Median			6	6	Minor spall at NE curb top	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			8	8	Double layer	
(Type : FLEX BEAM)						
Bridge Rail Posts			8	8		
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating			5	5		
(Type : PAINT)						
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			6	6	0.3 m long section of visible rebar at Sp. 1 - G2 - no problem.	
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
(Number Of Girders : 33)						
Diaphragms/Cross Frame			X	X		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PM, 3 Spans, Lengths(m): 15.2-15.2-15.2, A-Ident Number:)				
Bearings		6	6	Neoprene strip
Temperature (deg. C)	16			
(Expansion Type :)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	Stained from joint leakage
(Type : CONCRETE)				
Backwalls/Breastwalls		N	N	Not visible behind precast
Wingwalls		7	7	
Piles		N	N	Buried
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		5	5	Minor settlement under west abut.
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				2-1mm wide vert crks @ W pier
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	25% corrosion @ nose plates Stained from joint leakage
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
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		6	6	
Bank Stability		6	6	
HWM (m below Top of Curb)				No HWM visible
Drift (Y/N)	No			
Slope Protection		6	6	BLOCKS OF CONCRETE ON E. SLOPE COMING OUT OF PLACE-100mm heave @ 1 sec-still stable. Also some crkd
(Type :)				
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	2012	Install koch or similar joints - abut./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) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	72.4/71.9	Est. Repl. Yr	2040	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	17-Jun-2009			
Inspection Cycle (Default) (months)	39						
Comment							