

Bridge Inspection									
Bridge File Number	78048 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1976/1976				Lot No.	2			
Bridge or Town Name	MEDICINE HAT				Inspector Name	Jon Davies			
Located Over	SMR - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS B			
Located On	523:02 C1 20.449				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	07-Mar-2012			
Legal Land Location	SE SEC 26 TWP 12 RGE 7 W4M				Data Entry By	Kelsey Roberts			
Longitude, Latitude	-110:50:59, 50:01:08				Data Entry Date	07-Apr-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA23				Review Date	24-Mar-2012			
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	150 / 2011 (A)				Dept. Review Date	17-Apr-2012			
Road Classification	RLU-209-110				Follow-Up By				
Detour Length (km)	6								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> 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 UTILITIES-PHONE LINE								
Telephone	attached to s. side of bridge and attached at West abut.				Gas				
Power	1-W N ditch, 2 W x road 30m E.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9					
Vertical Alignment			8	8					
Roadway Width (m)	8.400				Not thriebeam				
Approach Bump			7	6					
Guardrail (Y/N)	Yes								
Guardrail			7	6					
Length (m)	5.000								
Current Standard (Y/N)	No								
Termination Type	wing end								
Drainage			6	6					
Approach Road General Rating			8	8					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 1 Spans, Lengths(m): 7.6, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	0.0	0.0	0.0	0.0	
Wearing Surface				7	7
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved over
Bump (Y/N)		No			
Deck Drainage			6	6	no drain holes
Drains Clogged (Y/N)					
Curbs/Median			6	6	
(Curb Type : Standard)					
Scaling (Percent Area)		2			
Bridge Rail			8	7	SW post missing 2 anchor bolts at previous repair site. 2 layers of flex beam
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			5	3	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			7	5	Connector pocket stains on all girders. Hairline to narrow longitudinal cracks at 6 of 8 girders. Curbs have narrow vertical cracks running from interior to exterior.
Last Complete Inspection Date		07-Mar-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 8)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	5	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1200)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				8	7	
(Type : STEEL)						
(Depth(mm) : 350)						
(Width(mm) : 375)						
Backwalls/Breastwalls				6	6	
Greatest Height (m)		2.50				
Wingwalls				7	7	
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last				P2 at A1 has wide splits		
Now	0	0	0	0		
Piles				6	5	
Paint/Coating				X	X	
Abutment Stability				7	7	
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) :)						
(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	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	Yes			Old piles in channel under bridge
Substructure General Rating		6	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				90 degree curve on the N side & 45 deg curve on the S side. Turnout 20m N
(D/S Direction : S)				
Alignment		5	5	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible
Drift (Y/N)	No			
Slope Protection		6	5	
(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		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Reinstall 2 anchor bolts at SW bridge rail post.					
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/55.6	Sufficiency Rating (Last/Now) (%)	72.2/65.3	Est. Repl. Yr	2025	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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	07-Jun-2015		Previous Inspection Date	13-Mar-2009			
Inspection Cycle (Default) (months)	39						
Comment							