

Bridge Inspection									
Bridge File Number	00493 W-1 Bridge				Form Type	CON			
Year Built/Year Supstr	1952/1952				Lot No.	2			
Bridge or Town Name	MEDICINE HAT				Inspector Name	Tom Carey			
Located Over	BULLSHEAD CREEK, 2.7.2, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	1:21 L1 13.228				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	09-Feb-2012			
Legal Land Location	SE SEC 16 TWP 12 RGE 5 W4M				Data Entry By	Lauren Korte			
Longitude, Latitude	-110:37:43, 49:59:26				Data Entry Date	25-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA23				Review Date	26-Feb-2012			
Clear Roadway/Skew	13.4 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	11,630 / 2011 (A)				Dept. Review Date	29-Mar-2012			
Road Classification	RFD-412.4-130				Follow-Up By				
Detour Length (km)	1								
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)		In Advance (Y/N)		At Bridge (Y/N)		
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	North R/W.				Gas				
Power	6 line-60m North R/W.				Municipal				
Others	& 4W crosses road 100m East.				Problem (Y/N)		No		
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Intersection 100m East.				
Vertical Alignment			7	7					
Roadway Width (m)	12.700								
Approach Bump			8	8					
Guardrail (Y/N)	Yes				Wrong lap at SE. Missing one bolt at NW and two at SW.				
Guardrail			3	4					
Length (m)	50.900				Not thriebeam.				
Current Standard (Y/N)	No								
Termination Type	TERMINAL								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CF, 1 Spans, Lengths(m): 13.7, A-Ident Number:)					
Special Features					
Special Feature			X	Geodetic BM # 68A179 on SE parapet wall. No brg file plaque.	
(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			7	7	Transverse cracks @ piers and ends of abuts. Concrete @ Shoulders. ACP at lanes.
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	ACP covered.
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			7	7	No deck drains- drains on grade.
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			7	7	
(Type : STEEL VERTICAL BAR)					
Bridge Rail Posts			7	5	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type :)					
Sidewalk			X	X	
Girders			6	5	Corrosion spots @ bottoms of box girders @ exteriors. North exterior girder has a medium width crack with corrosion staining. Rated 5 due to being an exterior and 3m from travel lanes.
Diaphragms/Cross Frame			X	X	
Bearings			7	7	Neoprene strip on widen portion both sides.
Temperature (deg. C)		-10			
(Expansion Type : NEOPRENE STRIP BEARING)					
(Fixed Type :)					
Coating Adequate (Y/N)		Yes			
Functioning (Y/N)		Yes			
Deck Underside			6	6	Minor corrosion spots @ box girders @ exteriors.
Stains (Percent Area)		1			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CF, 1 Spans, Lengths(m): 13.7, A-Ident Number:)				
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		7	7	
Backwalls/Breastwalls		6	6	
Wingwalls		7	7	
Piles		N	N	Buried.
Paint/Coating		X	X	
Abutment Stability		8	8	
Scour/Erosion		7	7	
Piers/Bents				
(Type :)				Deck widened with piers. Substructure rehabed.
Bearing Seats/Caps		7	7	
(Type :)				
Pier Shaft/Piles		7	7	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		7	7	
Debris (Y/N)	Yes			(6 old piles in D/S channel).
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		4	7	New class 2 rip rap at D/S banks.
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT 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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/66.7	Sufficiency Rating (Last/Now) (%)	65.9/65.9	Est. Repl. Yr	2022	Maint. Req. (Y/N)	No
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-Nov-2013		Previous Inspection Date	13-Jul-2010			
Inspection Cycle (Default) (months)	21						
Comment							