

Bridge Inspection										
Bridge File Number	73897 W-2 Bridge					Form Type	CON			
Year Built/Year Supstr	1976/1976					Lot No.	4			
Bridge or Town Name	MEDICINE HAT					Inspector Name	Tom Carey			
Located Over	3:17 L1 5.983;3:17 R1 5.978					Inspector Class	BR CLS A			
Located On	1:21 L1 6.151					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	09-Feb-2012			
Legal Land Location	NW SEC 25 TWP 12 RGE 6 W4M					Data Entry By	Alyssa Boynton			
Longitude, Latitude	-110:42:12, 50:01:45					Data Entry Date	26-Mar-2012			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Garry Roberts			
Contract Main. Area	CMA23					Review Date	26-Feb-2012			
Clear Roadway/Skew	17.3 / -9 deg. (LHF)					Dept. Reviewer Name	Tim Davies			
AADT/Year	26,440 / 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	CS1 28			Semi	CS2 49		Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	HS25									----> Primary Span

Posting Information														
Required Vert. Clearance Posting (m)				UNDER: 3 L1 5.3m, 3 R1 5.3m										
Posted Vertical Clearance (Y/N)				Yes										
Posted:	Lane	NB	On Bridge (m)	5.4	In Advance (Y/N)	Yes	Lane	SB	On Bridge (m)	5.4	In Advance (Y/N)	Yes		
Remarks		Not required												
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					No	
Remarks														
Hazard Marker At Bridge (Y/N)			No											
Remarks														
Other Sign Types			INFO SIGNS ATTACHED TO N EXT, ROUTE, SPEED											

Utilities (Located at)										
Utility Attachments										
Telephone						Gas				
Power	Conduit attached to W abut					Municipal				
Others	Light standards					Problem (Y/N)	No			
Remarks										

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	
Vertical Alignment		7	7	
Roadway Width (m)	10.500			
Approach Bump		7	7	
Guardrail (Y/N)		No		Parapets
Guardrail		7	7	
Length (m)	35.000			
Current Standard (Y/N)	Yes			
Termination Type		Turndown		
Drainage		7	7	
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CV, 3 Spans, Lengths(m): 12.2-25-12.2, A-Ident Number:)					
Special Features					
Special Feature			7	north Fascia - signs and lighting	
(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	New overlay in 2010 Moderate pop outs.
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			8	8	Longitudinal median joint gap is 31mm
Temperature (deg. C)		-10			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
90		W Abut			
80		E Abut			
Deck Drainage			7	7	No deck drain
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	New Jersey barrier
(Curb Type : None;JERSEY/F SHAPE)					
Scaling (Percent Area)		0			
Bridge Rail			X	X	
(Type :)					
Bridge Rail Posts			X	X	
(Type :)					
Bridge Rail/Posts Coating			X	X	
(Type :)					
Sidewalk			X	X	Exposed re-bar at Abut 1
Girders			4	4	crk & stained @ NE corner @ slab with spall exposed re-bar Center Span sagged 50mm.
Diaphragms/Cross Frame			X	X	Exposed re-bar at P1, insufficient cover at SW
Bearings			7	7	
Temperature (deg. C)		-10			
(Expansion Type : POT BEARING)					
(Fixed Type : POT BEARING)					
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				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CV, 3 Spans, Lengths(m): 12.2-25-12.2, A-Ident Number:)				
Superstructure General Rating		4	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		7	7	Rehabed.
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		N	N	Buried
Paint/Coating		6	6	New Paint
Abutment Stability		7	7	
Scour/Erosion		X	X	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Pier Shaft/Piles		7	7	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		7	7	Sidewalk has been recast and slope protection repaired at West.
Type	Concrete Parapet.			
Slope Protection		5	4	Cracked and starting to buckle a NE toe.
(Type : CONCRETE)				
Bank Stability		4	5	
Drainage		7	7	
Grade Separation General Rating		5	5	

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) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	55.0/55.2	Est. Repl. Yr	2027	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	24-Oct-2010			
Inspection Cycle (Default) (months)	21						
Comment							