

Bridge Inspection										
Bridge File Number	84502 W-2 Bridge				Form Type	SG				
Year Built/Year Supstr	2004/2004				Lot No.	4				
Bridge or Town Name	MEDICINE HAT				Inspector Name	Tom Carey				
Located Over	1:21 R1 10.060;1:21 L1 10.061				Inspector Class	BR CLS A				
Located On	25099:02 R1 0.096;25099:02 L1 0.100				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	07-Feb-2012				
Legal Land Location	SE SEC 19 TWP 12 RGE 5 W4M				Data Entry By	Alyssa Boynton				
Longitude, Latitude	-110:39:56, 50:00:18				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	12.4 / 0 deg.				Dept. Reviewer Name	Tim Davies				
AADT/Year	20,000 / 2008 (E)				Dept. Review Date	29-Mar-2012				
Road Classification	RFD-412.4-130				Follow-Up By					
Detour Length (km)										
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member
Design Loading:										----> Primary Span

Posting Information													
Required Vert. Clearance Posting (m)		UNDER: 1 L1 5.4m, 1 R1 5.4m											
Posted Vertical Clearance (Y/N)													
Posted:	Lane	NB	On Bridge (m)	5.4	In Advance (Y/N)	No	Lane	SB	On Bridge (m)	5.4	In Advance (Y/N)	No	
Remarks		N/B posting on 84502 E. (Measured at 5.532. Posting is accurate)											
Required Load Posting (t)		Single				Semi				Truck Train			
Posted Loading (t)		Single				Semi				Truck Train			
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No					
Posted:	Lane	EB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)						
Remarks		Not req.											
Hazard Marker At Bridge (Y/N)		No											
Remarks													
Other Sign Types		Route, Speed, Slippery Deck Lighting											

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	South Row				Municipal					
Others	Light Standards				Problem (Y/N)	Yes				
Remarks		Utilities throughout area.								

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	13th Ave Overpass
Vertical Alignment		6	6	
Roadway Width (m)	12.400			Some settlement of 25mm at west at outside lane.
Approach Bump		7	5	
Guardrail (Y/N)	Yes			@ east only
Guardrail		8	8	Not thriebeam
Length (m)	45.000			
Current Standard (Y/N)	No			
Termination Type	Bulb end			
Drainage		8	8	
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>WG, 1 Spans, Lengths(m): 39.4, A-Ident Number: )</b>						
<b>Special Features</b>						
Special Feature			X			
(Type : )						
Special Feature			X			
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0.0	0.0	0.0	0.0		
Wearing Surface			7	7	Isolated narrow transverse cracks	
(Material Type : <b>CONCRETE</b> )			Moderate popouts			
(Thickness(mm) : <b>50</b> )						
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			8	8	Galv. buffer angles.	
Temperature (deg. C)		-6				
(Expansion Type : <b>BUFFER ANGLES</b> )						
(Fixed Type : )						
Gap Size (mm)		Gap Location				
Deck Drainage			8	8	no drains	
Drains Clogged (Y/N)						
Curbs/Median			8	8		
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		0				
Bridge Rail			8	8		
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )						
Bridge Rail Posts			8	8		
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating			8	8		
(Type : <b>GALVANIZED</b> )						
Sidewalk			X	X		
<b>Girder/Beam</b>						
Cover Plate			X	X	4 lines of girders	
Flange			8	8		
Web			8	8		
Stiffeners			8	8		
Splice			X	X		
Weld			8	8		
Diaphragms/Cross Frame			8	8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>WG, 1 Spans, Lengths(m): 39.4, A-Ident Number: )</b>				
Paint Condition		X	X	weathering steel
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings		X	X	integral
Temperature (deg. C)				
(Expansion Type : )				
(Fixed Type : )				
Coating Adequate (Y/N)				
Functioning (Y/N)				
Deck Underside		8	8	moderate narrow transverse cracks & Efflorescence
Stains (Percent Area)	5			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>8</b>	<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	8	MSE walls
Wingwalls		8	8	MSE Walls
Piles		N	N	
Paint/Coating		7	7	Staining @ Corners
Abutment Stability		8	8	
Scour/Erosion		X	X	
<b>Piers/Bents</b>				
(Type : )				
Bearing Seats/Caps		X	X	
(Type : )				
(Total Number of Bearing Piles : )				
Pier Shaft/Piles		X	X	
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			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		7	7	
Traffic Safety Features		8	8	Signal lights @ each side of bridge
Type	median			
Slope Protection		8	7	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability		8	8	
Drainage		8	8	
<b>Grade Separation General Rating</b>		<b>7</b>	<b>7</b>	

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						
REPAINT SUPERSTRUCTURE						
STRAIGHTEN/REPLACE MEMBERS						
WASHING						
SHOTCRETE REPAIRS						
REPAIR ABUTMENT SCOUR/EROSION						
PLACE ADDITIONAL RIP RAP						
REMOVE DRIFT ACCUMULATION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						

<b>Structural Condition Rating (Last/Now) (%)</b>	<b>88.9/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>68.3/68.3</b>	Est. Repl. Yr	2073	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	07-Nov-2013	Previous Inspection Date	13-Jul-2010
----------------------	-------------	--------------------------	-------------

Inspection Cycle (Default) (months)	21
-------------------------------------	----

Comment	
---------	--