

Bridge Inspection													
Bridge File Number	73897 E-1 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 R1 5.974;3:17 L1 5.978					Inspector Class	BR CLS A						
Located On	1:21 R1 6.145					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	Lauren Korte						
Longitude, Latitude	-110:42:13, 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	14.6 / -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 5.7m, 3 R1 5.7m												
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)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	At Bridge (Y/N)	No			
Posted:	Lane	WB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)		At Bridge (Y/N)				
Remarks													
Hazard Marker At Bridge (Y/N)	No												
Remarks													
Other Sign Types	ROUTE, SPEED.												
Utilities (Located at)													
Utility Attachments													
Telephone						Gas							
Power	Attached to both abut & South exit.					Municipal							
Others	Underside deck lighting.					Problem (Y/N)	No						
Remarks	Light Standards.												
Approach Road													
					Last	Now	Explanation of Condition						
Horizontal Alignment				8	8								
Vertical Alignment				7	7								
Roadway Width (m)	10.500												
Approach Bump				6	7								
Guardrail (Y/N)	Yes					Concrete Barrier.							
Guardrail				7	7								
Length (m)	35.000												
Current Standard (Y/N)	Yes												
Termination Type	TURNDOWN												
Drainage				7	7								
<b>Approach Road General Rating</b>				<b>7</b>	<b>7</b>								

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : CV, 3 Spans, Lengths(m): 12.2-25-12.2, A-Ident Number: )						
<b>Special Features</b>						
Special Feature			7	South fascia has signs & Lighting.		
(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>						
Wearing Surface			8	7	New overlay in 2010. Moderate pop-outs.	
(Material Type : <b>CONCRETE</b> )						
(Thickness(mm) : <b>50</b> )						
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			8	8	Also longitudinal median seal. Gap is 31mm both joints.	
Temperature (deg. C)		-10				
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )						
(Fixed Type : )						
Gap Size (mm)		Gap Location				
85		West Abut				
80		East Abut				
Deck Drainage			7	7	No deck drain.	
Drains Clogged (Y/N)		No				
Curbs/Median			8	8		
(Curb Type : <b>JERSEY/F SHAPE</b> )						
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		
Girders			4	5	Longitudinal crack up to 4mm wide - 10m long @ underside slab @ NE - repaired-epoxy injected- some minor corrosion stains. Center Span sagged 50mm.	
Diaphragms/Cross Frame			X	X		
Bearings			7	7		
Temperature (deg. C)		-10				
(Expansion Type : )						
(Fixed Type : <b>POT BEARING</b> )						
Coating Adequate (Y/N)		Yes				
Functioning (Y/N)		Yes				
Deck Underside			8	8		
Stains (Percent Area)		5				
<b>Span Alignment Problems</b>						
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: )				
<b>Superstructure General Rating</b>		4	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats		7	7	Re-habilitated bearing seats.
Backwalls/Breastwalls		6	6	
Wingwalls		5	5	
Piles		N	N	Buried.
Paint/Coating		6	6	New paint.
Abutment Stability		7	7	
Scour/Erosion		X	X	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )				
Pier Shaft/Piles		7	7	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		7	7	
Traffic Safety Features		7	7	
Type	CONC/LIGHTING			
Slope Protection		5	5	Sidewall has been re-cast and broken slope protection repaired @ West. Minor cracks @ sidewalk and slope protection.
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability		5	5	Starting to buckle at East.
Drainage		7	7	
<b>Grade Separation General Rating</b>		5	5	



Comment	
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