Bridge Inspection															
Bridge File Number 75672 -1 Bridge										PCS					
Year Built/Year 1964/1964								Lot No.			1				
Supstr							Inspector Name			Tom Carey					
Bridge or Town Name MEDICINE HAT								Insp	ector C	Class		BR CLS A			
Located Over ROSS CREEK, 2.7, WATERCRS Located On 41:06 C1 3.721					RCRS-	51		Assistant Name							
Located On		41:06	UT 3.721					Assistant Class							
Water Body Cl./								Inspection Date 09-Feb-2012							
Navigabil. Cl./Ye		CE CE	C 10 T\/D	12 DCE	4 \A/4N.4			Dat	a Entry	Ву		Lauren Korte	Э		
Legal Land Loca			C 19 TWP		4 VV4IVI			Data Entry Date 22-Mar-2012							
Longitude, Latitu Road Authority			1:60, 50:00 a Transporta		Γ\			Reviewer Name Garry Roberts							
Contract Main. A		CMA2		ation (An	1)			Review Date 26-Feb-2012							
Clear Roadway/		11 /	<u> </u>								Tim Davies				
AADT/Year			[′] 2011 (A)					<u> </u>	t. Revi		е	29-Mar-2012	2		
Road Classificat			11.8-110					Follow-Up By							
Detour Length (F		16	11.0 110												
Allowable Load (gle C	S1 38 IRDER		Semi		S2 61 RDER			3 88> On Critic		cal Spans lember			
Design Loading:	•	H	S20									> Primary Span			Span
						Po	sting Ir	nformation							
Required Load F	Posting	(t)		Single					Semi	Semi			Truck Train		
Posted Loading	(t)			Single					Semi			Truck Train			
Posted:	Lane	NB		At Junct	tion (Y/N	//N) No			In Advance (Y/N)		No	At Br	ridge (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			SW sign	n missing)										
Other Sign Type	s														
						Ut	ilities (L	oca	ted at)						
Utility Attachmer	·														
Telephone		West										ses road 40m North.			
Power	1 wire	20m to	NE.						Municipal Stream gauging station @ NE. Problem (Y/N) No						
Others								Pro	blem (Y	7N) N	10				
Remarks							Люмкоо	ah D	d						
					1:	ast	Approach Road Now Explanation of Condition								
Horizontal Aligni	ment				L	α σι 7	7	Farmer access at NE.							
Vertical Alignme						6	6	In lo	In long sag curve - sight distance good.						
Roadway Width			12.400						No passing SB. Isolated potholes at South approach have been patched.					d	
Approach Bump			12.400			5	4	i isolated potitoles at South approach have been patched.							
Guardrail (Y/N)			Yes			<u> </u>	r	Pos	t to rail	bolt sh	ort at	t SW.			
Guardrail			1.00			4	4		sing 4 s						
Length (m)			30.400			•									
Current Standa	ard (Y/I	N)	No					Not	Thrieb	eam.					
Termination Ty		,		D DOWN	V										
Drainage						7	7								
Approach Road	l Gene	ral Rat	ing			6	6								

						Supar	nám raktura					
Bridge Com	nonont						Explanation of Condition					
	in : PE, 3 Spa	ne Longi	he/n	N· 12 Q_12 Q_			•					
Special Feat		iis, Leilgi	.115(11	1). 12.0-12.0-	12.0, A-	luent	Number.)					
Special Feat						X						
-												
(Type:)						X						
Special Feature						_ ^						
(Type:)	:/DI- T	D-t-il D	4									
vvearing Surf	ace/Deck Top		itings		2 (0()							
Loot	N (%)	1 (%)		2 (%)	3 (%)							
Last Now	0	0		0	0.0							
	0.0	0.0		0.0			Obin and area 400mm AOD					
Wearing Surf		0111/ENIT			5	_ 5	Chipcoat over 100mm ACP. Grout Key cracked @ centerline - sealed					
	ype : ACP - C	ONVENT	ONA	L CHIP SEA	L COAT)						
	(mm) : 100)						Joints tar sealed.					
Lateral Conn (Y/N)	ection Probler	n Ye	S									
Deck Top					N	N						
DOOK TOP					, ,	'\						
Deck Rideab	ility				5	5						
Deck Joints					N N		ACP Covered. 40mm measured at pier curbs.					
Bump (Y/N)	No)									
Deck Draina	ge				5	5	Active leakage onto ends of pier & abutments through girder ends. Corrodes piles. Reduced from sealing					
Drains Clog	gged (Y/N)	No)									
Curbs/Media	n				6	6	Some hairline vertical cracks West curb. One 1m long scraped West					
	: Standard)						curb North end, grader scrapes.					
	ercent Area)	1										
Bridge Rail	7.0011.71.00.				4	4	2 layer. Missing 7 splice bolts at SW.					
	EEL FLEX BE	ΔΜ)										
Bridge Rail P		.A.W.)			4	4	4 post A/B nuts with insufficient thread at East rail.					
	LVANIZED P	OST STE	EL;G	ALVANIZED								
Bridge Rail/P	Poete Coating				7	7						
(Type:)	USIS COAIIIIG				, ,							
Sidewalk					X	Х						
Sidewalk					^	_ ^						
Girder Detail	Ratings											
	N (count)	1 (count)	2 (count)	3 (cou	ınt)						
Last	0	0		0		1						
Now	0	0		0		2						
Girders					3	3	13 Girders have wide longitudinal cracks or spalls in one web.					
Last Complet	te Inspection [Date 14	-Jan-	2012			4 interior girders with spalls or cracks in AZ in one web. G1 S2 "3" rating - concrete soundness unconfirmed					
Cracking (\	·	Υe	S				2 stirrups corroded through @ G2S1 and 1 @ G1S3 outside AZ and					
Spalling (Percent Area) 5							one web. Due to these defects being in one web outside the AZ and no shear cracking visible in the girders: Rating raised to 3.					
Lift or Connector Pocket Yes Grouted (Y/N)							The street statisting fields in the gradies framing falloca to di					
(Number Of Girders : 39)							1					
	nent Problem	s										
Vertical (Y/		No)									
Horizontal (Y/N) No							1					
	Superstructure General Rating											
2		9			4	3						

					Subst	ructure			
Bridge Comp	onent			Last	Now	Explanation of Condition			
Abutments		<u> </u>		1=0.01	111011				
(Extended I	Backwall Piles	s (Y/N) : N)							
		Spacing(mm):)						
	er of Caps/Co		,			Some staining and hairline vert. cracks.			
		ls Detail Ratin	gs						
9 2 2 2 2	N (count)	1 (count)	2 (count)	3 (cou	unt)	Cap inaccessible for measurement.			
Last	0	0	0		0				
Now	0	0	0		0				
	s/Caps/Corbe			6	6	-			
(Type : CO	•	<u></u>							
(Depth(mm						-			
(Width(mm)									
Backwalls/Br				X	Х				
		4.00		^					
Greatest He	eigni (m)	1.00							
Wingwalls				6	6				
(Total Number	er of Bearing F	Piles : 0:0)				Buried.			
Piles Detail R									
	N (count)	1 (count)	2 (count)	3 (cou	unt)				
Last	100	0	0		0				
Now	100	0	0		0				
Piles	100			N	N	-			
Paint/Coating	1			X	X				
					_				
Abutment Sta	ability			7	7				
Scour/Erosio	n			7	7				
Piers/Bents									
(Type : PIE	R-COLUMN)					Hairline cracks with leaching @ East end of South pier & exposed			
(Total Number	er of Caps/Co	rbels : 1:1)				rebar @ West end of South pier - both minor. Cracks @ East end North pier.			
Bearing Seat	s/Caps/Corbe	ls Detail Ratin	gs			- Gracks & East end North pier.			
_	N (count)	1 (count)	2 (count)	3 (cou	unt)				
Last	0	0	0		0	Unable to measure.			
Now	0	0	0		0				
	s/Caps/Corbe	ls		5	5	1			
(Type : CO						1			
(Depth(mm									
(Width(mm)									
	er of Bearing F	Piles : 8:8)							
Piles Detail R						Unable to verify due to ice.			
	N (count)	1 (count)	2 (count)	3 (cou	unt)				
Last	0	0	0		0				
Now	0	0	0		0				
Pier Shaft/Pil				7	7	-			
Greatest He		5.50				-			
Bracing/Struts/Sheathing					7				
Nose Plate				7	7				
				4	3	Correction with scaling & sitting @ same siles. Weret @ and =!!==			
Paint/Coating (Colour Des				4	3	Corrosion with scaling & pitting @ some piles. Worst @ end piles. White and red.			
(Colour Co									
(Colour Co	u c .)								

Substructure Bridge Component Last Now Explanation of Condition										
Bridge Component			Now	Explanation of Condition						
Pier Stability		7	7							
Scour			7							
Debris (Y/N)	oris (Y/N) No									
Substructure General Rating			5							
		5	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel										
(U/S Direction : E)										
(D/S Direction : W)										
Alignment		7	7							
Bank Stability		5	6	Flood damage has been repaired. Steep cut banks U/S.						
HWM (m below Top of Curb)										
Drift (Y/N)	No									
Slope Protection		5	6	Slope protection repaired Cl. 2.						
(Type : CONCRETE; RIP RA	P)									
Guidebank/Spurs		Х	Х							
Adequacy of Opening		7	6							
(Fish Compensation Measure 1	: NONE)									
(Fish Compensation Measure 2	: NONE)									
Channel General Rating			6							

Maintenance Recommendations													
Inspector Recommendations	Year	Inspec	tor Comments		Department Com	nments		Target Year	Est. Cost	Cat #			
REPAIR/REPLACE BRIDGE RAIL	2013	Post to Repair	rail nut and 11 splice bolts. short A/B bolts at East guard	rail posts.									
SEAL CURBS													
PATCH DECK													
OVERLAY DECK													
STRAIGHTEN/REPLACE MEMBERS													
WASHING													
SHOTCRETE REPAIRS													
CORE TIMBER CAPS/CORBELS													
REPAIR/REPLACE TIMBER CAPS													
REPAIR ABUTMENT SCOUR/EROSI	ON												
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL STRUTS													
OTHER ACTION	2013	Blast 8	k paint pier piles.										
OTHER ACTION	2013	Replace splice	ce G2S1 and G1ZS3 or chip o in new partial stirrups and pate	ut and ch girders.									
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/N (%)	ow) 55.6	44.4	Sufficiency Rating (Last/l	Now)	62.7/59.0	Est. Repl. Yr	2018	Maint. Red	qd. (Y/N)	Yes			
Special Comments for Next Inspection					Department Comments			·					
Maintenance Reviewed By					Date		E	Estimated Total	I 0				
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name	Jason Rusu			Previous /	Assistant's Name								
Next Inspection Date	09-Nov-2013	3		Previous Inspection Date 14-Jan-2012									
Inspection Cycle (Default) (months)	21												

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

75672 -1 Bridge

Comment