						В	ridge lı	nspec	tion							
Bridge File Number 08866 -1 Bridge								Form	Form Type		PCS					
Year Built/Year	/1967						Lot No.			1						
Supstr Bridge or Town Name MAGNOLIA BRI									Inspector Name			Kris Bosters				
					ON DIV	IRIVER			Inspector Class			BR CLS A				
Located Over TRIBUTARY TO STURG 6.65.27, WATERCRS-ST					T .			Assistant Name			Brian Cote					
Located On		757:02 C	1 0.257						Assistant Class							
Water Body CI./	Year								Inspection Date			07-Aug-2012				
Navigabil. Cl./Ye							Entry			Lisa Fairhurst						
Legal Land Loca	C ZU TVVF 33 KGE U VV3IVI									27-Aug-2012						
Longitude, Latitu	:37, 53:35:28					Reviewer Name			Eric Carcoux							
Road Authority		Alberta T	ransporta	tion (Al	T)			Review Date			21-Aug-2012					
Contract Main. A	rea	CMA12										Brent Herric				
Clear Roadway/	Skew	10 /								ew Date	•	30-Aug-2012	2			
AADT/Year		610 / 201	1 (A)					Follo	w-Up	Ву						
Road Classificat	ion	RCU-209	-110													
Detour Length (F	km)	3														
Allowable Load ((t): Sir				Semi		32 49			Train		S3 70		> On Critical Spans		
Design Loading:		HS2	DER 0		<u> </u>	GI	RDER				GIRDER			>Critical Member > Primary Span		
Design Loading.		1102	O			Po	sting l	nform	ation					> i ililialy	Оран	
Required Load F	osting	ı (t)	Single				~		Semi				Truck Train			
Posted Loading		, , ,		Single					Semi				Truck Train			
Posted:	Lane	NB			tion (Y/N	on (Y/N)		In Advance (Y		ance (Y	/N)			ridge (Y/N)	No	
Posted:	Lane	SB			tion (Y/N		No		In Advance (Y/N)		No	At Bridge (Y/N)		No		
Remarks Not required.							·		·							
Hazard Marker A	At Brid	ge (Y/N)	Yes													
Remarks			Not to standard location													
Other Sign Type	s		Stop ah	ead, div	ided high	nwa	y aheac	d.								
						Uti	ilities (L	Locate	ed at)							
Utility Attachmer	nts															
Telephone	6m W	est.							Gas							
Power									Municipal							
Others		utility cabl							Problem (Y/N) No							
Remarks	CNR	utility cabl	e buried i	n both d	itch r/w.											
							Approa			t C	المصد	···				
Horizontal Aligni	ment				Lâ	ast 4	Now 4		Super elevated in sharp curve, no passing both direction 100m South of BF 76431. Entrance at NW.					one Located		
						7	7	100m Sou		h of BF	764	31. Entrance	at NV	7.	ono. Localed	
Roadway Width	Vertical Alignment		10.000													
Approach Bump		10.000			6	6										
Guardrail (Y/N)		Yes			J	<u> </u>										
Guardrail		. 55			N	6										
Length (m)		11.400	11 400													
Current Standard (Y/N)		No														
	Termination Type Turn Down															
Drainage						N	4	10m x 1.2m x 1.0m deep erosion channel forming in SE					E			
Approach Road	Gene	eral Ratin	<u> </u>			4	4									
pp.odon node	. 50110	. a. Ratiff	5													

				Ş	Supers	structure
Bridge Com	ponent				Now	Explanation of Condition
	an : HC, 3 Spa	ns, Lengths(m): 10.1-10.1-			•
Special Feat						
Special Feat	ure				X	
(Type:)						
Special Feat	ure				X	
(Type:)						
1	face/Deck Top	Detail Rating	s			
	N (%)	1 (%)	2 (%)	3 (%)		
Last						
Now	0.0	0.0	0.0	0	0.0	
Wearing Sur	face		•	6	5	Longitudinal cracks in pavement over girder lines, sealed.
(Material T						
(Thickness						
	ection Probler	n No				
(Y/N)						
Deck Top				N	N	Paved over.
Deck Rideab	oility			7	7	
Deck Joints				N	N	ACP covered.
Bump (Y/N	<u> </u>	Yes		IN	IN	ACF covered.
		165		1		Consers between sinders likely contribution to less smalle. Exercise an
Deck Draina				4	6	Seepage between girders likely contributing to leg spalls. Erosion on North headslope
Drains Clo		No				
Curbs/Media				N	4	NW corner damaged rebar exposed - photo.
	: Standard)					
	ercent Area)	0			1	
Bridge Rail				4	4	Double layer. Missing 4 bolts at all lap connections (136 bolts) - photo
	LVANIZED S	TEEL FLEX B	EAM)		1	<u>'</u>
Bridge Rail F				4	4	Missing rail to post bolt, NE on S2.
(Type : GA STEEL)	LVANIZED PO	OST STEEL;	SALVANIZED	POST		
Bridge Rail/F	Posts Coating			6	6	
(Type : GA	LVANIZED)					
Sidewalk				Х	X	
Girder Detail		T				
_	N (count)	1 (count)	2 (count)	3 (cou	ınt)	
Last	_	_	_		_	-
Now	0	0	0		4	
Girders				4	3	S1(G5,6,7,8 9), S2(G1,3,5,6,7,8), S3(G3,4,6,8,) have spalls or wide cracks within anchor zone. Some with rusted rebar but in one leg
·	te Inspection [g-2012			only.
Cracking (Yes				S1G6, S2G9, S3G6,7,9 spalls in AZ, two legs - photo Span 3 West girders over P2 have limited brg surface area, 150mm -
-	ercent Area)	10				photo.
Lift or Conne Grouted (Y/N		Yes				Corrosion occuring but does not appear to have any section loss.
(Number Of	Girders : 33)					
Span Alignn	nent Problem	s				
Vertical (Y/	/N)	No				
Horizontal	(Y/N)	No				
Superstruct	ure General R	Rating		4	3	

					Subst	ructure
Bridge Com	ponent			Last	Now	Explanation of Condition
Abutments						
(Extended	Backwall Piles	s (Y/N) : Y)				Steel at South
(Extended	Backwall Piles	Spacing(mm)	: 800)			
(Total Number	er of Caps/Cor	bels : 5:5)				
Bearing Seat	s/Caps/Corbe	ls Detail Rating	gs			
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	
Last						
Now	0	0	0	-	0	
Bearing Seat	s/Caps/Corbe	ls		7	7	
(Type : TRI	EATED TIMBE	ER)				
(Depth(mm): 300)					
(Width(mm	-					
Backwalls/Br	eastwalls			6	6	
Greatest H	eight (m)	1.80				
Wingwalls				N	7	
/Total Niver	or of Booring 5	Oiloo : 0.0\				Come of the piles are not visible buried under dist
	er of Bearing F	riies : 8:8)				Some of the piles are not visible, buried under dirt.
Piles Detail R		1 (count)	2 (aquat)	2 (20)	ınt)	-
Last	N (count)	1 (count)	2 (count)	3 (cou	1111 <i>)</i>	
Now	0	0	0		0	
Piles		U	0	7	7	-
Paint/Coating	1			X	X	
. and obating						
Abutment Stability					6	
Scour/Erosio	n			4	4	0.3m wide erosion gullies north abutment.
Piers/Bents						
	R-COLUMN)					Uneven bearing of G1 at P2 - photo #5. Reduced bearing area of
` • •	er of Caps/Cor	bels : 10:10)				girder on cap.
		ls Detail Ratin	gs			Too high to measure estimated
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	
Last	7 (553) 2 (553) 5 (564)					
Now	0	0	0		0	
Bearing Seat	s/Caps/Corbe	ls		4	6	
(Type : TRI	EATED TIMBE	ER)				
(Depth(mm): 300)					
(Width(mm) : 300)					
(Total Number	er of Bearing F	Piles : 18:18)				
Piles Detail R						
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	
Last						
Now	36	0	0	7	0	
Pier Shaft/Piles					N	
Greatest Height (m) 5.50						
Bracing/Struts/Sheathing					4	Missing 3 planks - photo. 20% visible (sheathed). P1 streamside (north side) not low enough - photo .
Nose Plate					6	
Paint/Coating					6	
(Colour De						
(Colour Co						
					-	

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	Y/N) Yes			
Substructure General Rating		4	6	
		5	Structu	re Usage
			Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability	Bank Stability			
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		4	5	Very minor erosion on North headslope.
(Type : NONE)				
Guidebank/Spurs			X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	: NONE)			
Channel General Rating		4	5	

08866 -1 Bridge

Bridge Inspection & Maintenance System (Web 2005)

					Maintenance Re	ecommend	lations					
Inspector Recomm	nendations		Year	Inspecto	r Comments		Department Comr	nents		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL			2012	Replace bolt NE o	missing splice bolts and rai of S2.	l to post						
SEAL CURBS												
PATCH DECK												
OVERLAY DECK												
STRAIGHTEN/REPLACE MEMBERS												
WASHING												
SHOTCRETE REPAIRS												
CORE TIMBER C	APS/CORBELS											
REPAIR/REPLAC	E TIMBER CAPS											
REPAIR ABUTME	NT SCOUR/EROSIG	ON										
PLACE ADDITION	NAL RIP RAP											
REMOVE DRIFT	ACCUMULATION											
INSTALL STRUTS	3											
OTHER ACTION		2	2012	Replace	girders.							
OTHER ACTION			2012	Reset ha	azard markers.							
OTHER ACTION			2012	Lower pi	er 1 sheathing, 3 row of 50rs x 250 width x 4000 length.	nm						
OTHER ACTION		2	2012	Assess b	oridge to determine best rep	air						
Structural Condition Rating (Last/Now) (%)			44.4/50.	Sufficiency Rating (Last (%)			53.6/56.0	Est. Repl. Yr	2022	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection	essment	current	y being co	ompleted.		Department Comments						
Maintenance Revi	ewed By						Date		E	Estimated Total	0	
Proposed Long-Term Strategy												
On 3-Year Progra												
Proposed Action												
Previous Inspector's Name Ja			Oresile			Previous	Assistant's Name					
			-2015				Inspection Date	29-Jan-2009				
Inspection Cycle (Default) (months) 3												
Comment												