					B	ridge li	nspec	ction							
Bridge File Number	76431 -1				Form Type				PCS						
	1968/1968						Lot No.			2					
Supstr							Inspector Name				- Kris Bosters				
Bridge or Town Name	MAGNOL								BR CLS A						
Located Over	Over CNR						Assistant Name			Brian Cote					
Located On	757:02 C1 0.405;TRAIL-PED, C					TR	Assistant Class								
Nater Body CI./Year						Inspection Date				08-Aug-201	2				
Navigabil. Cl./Year					Data Entry By						Theresa Lacusta				
egal Land Location	NW SEC	20 TWP	53 RGE	6 W5N	Ν		Data Entry Date			04-Sep-2012					
ongitude, Latitude	-114:51:3	5, 53:35	:33					iewer N			Eric Carcoux				
Road Authority	ad Authority Alberta Transportation (AIT)					Review Date					27-Aug-2012				
Contract Main. Area	tract Main Aroa CMA12						ewer N	ame	ame Brent Herrick						
Clear Roadway/Skew	9.1 /						Dept. Review Date				18-Sep-201				
AADT/Year	610 / 201	1 (A)					· ·								
Road Classification	RCU-209	-110				Follow-Up By									
U	3														
Allowable Load (t): Sing				Semi		S2 52			Train		3 75		> On Critical Spans >Critical Member		
Design Loading:	GIRE				G	RDER				GI	RDER				
besign Loading:	HS20	U			De	sting l	oform	ation					> Primary	span	
Required Vert. Clearan	co Postina	n (m)			Po	sung I	morm	auton							
Posted Vertical Clearan		J (III)	No												
Posted: Lane NB		idge (m)		n Adva		(V/NI)	No	Lane	SB	0	n Bridge (m	\	In Advance	e (Y/N) N	
		iuge (III)	1	TAuva		(1/IN)	NU	Lane	30		n bhuge (m		III Auvanu		
								Sami				True	k Train		
Posted Loading (t)	(1)		Single					Semi			-				
			Single		(6.1)	NI -	-	Semi		Z /N 1)	NI-		k Train	NI-	
Posted: Lane	NB SB		At Junct	`		No		In Advance (Y/N) In Advance (Y/N)		No	At Bridge (Y/N) At Bridge (Y/N)		No		
Posted: Lane	Lane SB At Junction (Not required.			ion (Y/	/N)	No		in Adva	ance (1	(/N)	No	At BI	ridge (Y/N)	No	
Hazard Marker At Bridg	ge (Y/N)	Yes				• •									
Remarks			ndard loca			-									
Other Sign Types		80km/h	r, divided	hwy a											
					Uti	ilities (l	Locat	ed at)							
Jtility Attachments							0								
Telephone 20 m v	vest.					Gas									
Power CND							Municipal Broblem (X/N) No								
	utility line	have to 1.1	hath "	ah ::/		Problem (Y/N) No									
Remarks CNR u	utility lines	Duried Ir	i doth aite	cn r/w.		A page of	ok P								
					Last		ch Road Explanation of Condition								
Horizontal Alignment					Lası 6	6	Beginning of S curve to Hwy 16. Looking North - photo #1.								
Vertical Alignment				7	7										
Roadway Width (m)		10.000			1	'									
				8	8										
Approach Bump Guardrail (Y/N) Yes				0	0	Ineu	fficient	length							
Guardrail (Y/N) Yes Guardrail				7	7	insu	molerit	longui	•						
Length (m)		11.000			1	1									
Current Standard (Y/N	N)	No													
Termination Type	•)	Turn Do													
Drainage			24411		N	4	Fros	Freeion running from backwalls down backdalans at NW				N			
							Erosion running from backwalls down headslope at NW.								
Approach Road Gene	ral Rating	3			6	6									

				Supers	tructure					
Bridge Component			Last	Now	Explanation of Condition					
(Primary Span : HC, 3 Spans, Lo	engths(m): 8.5-8.5-8.	5, A-Ide	nt Nun	nber:)					
Special Features										
Special Feature				Х						
(Type:)										
Special Feature				Х						
(Type:)										
Wearing Surface/Deck Top Deta	il Rating	S								
N (%) 1 (%		2 (%)	3 (%)							
Last										
Now										
Wearing Surface			4	4	Pothole over span 1photo					
(Material Type : ACP)					Cracking of pavement over longitudinal - photo. Girder lines opened up again, suspect lateral connection problems.					
(Thickness(mm) : 50)					- up again, suspect lateral connection problems.					
Lateral Connection Problem	Yes									
(Y/N)				1						
Deck Top			N	N	Paved over.					
Deals Distant ""			-	-						
Deck Rideability			7	7						
Deck Joints			N	N	Covered with ACP.					
Bump (Y/N)	No				Bumps repaired.					
Deck Drainage	1.10		4	6	Girder leg and channel stained below drains.					
Drains Clogged (Y/N)	No		<u> </u>	U						
Curbs/Median			N	3	Chipped at NW corner, hole in curb face at SW with exposed void.					
(Curb Type : Standard)				5						
Scaling (Percent Area)	10				-					
Bridge Rail	10		4	4	Double layer. Missing 112 splice bolts - photo					
			4	4	Missing rail to post bolt West on the South end of span 2 - photo					
(Type : GALVANIZED STEEL Bridge Boil Boote			4	4						
Bridge Rail Posts (Type : GALVANIZED POST S STEEL)	STEEL;C	3ALVANIZED		4						
Bridge Rail/Posts Coating			N	6						
(Type : GALVANIZED)				0						
Sidewalk			X	Х						
Girder Detail Ratings										
N (count) 1 (co	ount)	2 (count)	3 (cou	unt)	S1 (G8, G9), S2 (G10) have spall in anchor zone in one leg each.					
Last				3	Spall extends above top half of reinforcing bars.					
Now				3						
Girders			3	3	Short medium longitudinal cracks in the legs of several girders in AZ					
Last Complete Inspection Date	07-Aug	J-2012			- photo. S1G2 spall, 1 leg i/s AZ. G6 medium crack AZ, 1 leg. Medium crack 2 legs o/s AZ. G7 2 legs, cracks o/s AZ. S1G8, S1G9,					
Cracking (Y/N)	Yes				S2G10 spall in 1 leg each AZ with exposed rebar above top half of					
Spalling (Percent Area)	5				reinforcing bars.					
Lift or Connector Pocket Grouted (Y/N)	Yes									
(Number Of Girders : 33)										
Span Alignment Problems										
	1									
Vertical (Y/N)	No				_					
	No No									

Alberta Transportation

				1	Subst	ructure
Bridge Com	oonent			Last	Now	Explanation of Condition
Abutments						
(Extended I	Backwall Piles	s (Y/N) : Y)				
(Extended I	Backwall Piles	Spacing(mr	n) : 1700)			
(Total Numbe	er of Caps/Co	rbels : 5:5)	· · · ·			Bridge has been raised by adding an extra cap.
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last					,	
Now						
	s/Caps/Corbe	ls		8	8	
	EATED TIMBI					
(Depth(mm		=1()				
(Width(mm)						
Backwalls/Br				7	7	
		1.00		/	/	
Greatest He	eignt (m)	1.80			-	
Wingwalls				7	7	
(Total Numbe	er of Bearing F	Piles : 7:7)				Most only exp[osed 20cm, some at NW completely covered.
Piles Detail R						
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last	100					
Now	18			_		
	10			NI	N	-
Piles				N	N	
Paint/Coating)			X	X	
Abutment Sta	Abutment Stability			6	7	
				<u> </u>		
Scour/Erosion			4	4	Erosion on both headslopes.	
Piers/Bents						
	R-COLUMN)					
-	er of Caps/Corbo	/	0.00			Covered with petrotac, North cap is a bit too long.
Bearing Seat	ring Seats/Caps/Corbels Detail Ratings					
Last	N (count)	1 (count)	2 (count)	3 (cou		
Now				_		
	c/Cana/Carka			7	7	-
	s/Caps/Corbe				1	-
		CK)				
(Depth(mm	· · · · · · · · · · · · · · · · · · ·					
(Width(mm)						
	er of Bearing F	riies : 9:9)				-
Piles Detail R			0 (C (0	
	N (count)	1 (count)	2 (count)	3 (cou	unt)	-
Last						
Now						4
Pier Shaft/Piles				7	7	
Greatest Height (m) 3.00						
Bracing/Struts/Sheathing			3	7	No additional struts can be added as all abutment piles are strutted.	
Nose Plate			X	X	אין מטמונטוומו זווענז כמו של מטעלע מז מוו משענווולוו אוולא מול גווענופט.	
				^	^	
Paint/Coating	1			Х	Х	
(Colour Des	scription :)					
(Colour Co	de:)					
Pier Stability				7	7	

			Subst	ructure					
Bridge Component			Now						
Scour			5	Scour between piles of pier 1.					
Debris (Y/N)	ebris (Y/N) No								
Substructure General Rating			7						
		S	Structu	re Usage					
		Last	Now	Explanation of Condition					
Grade Separation									
Road Alignment		8	8	Bridge required to avoid roadway fill from spilling onto CN trestle pier.					
Traffic Safety Features		8	Х						
Туре									
Slope Protection		4	4	Erosion gullies on headslope.					
(Type : NONE; NONE)									
Bank Stability			6						
Drainage			4	Drainage onto headslope causing erosion.					
Grade Separation General Rating			4						

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

76431 -1 Bridge

			Maintenance Recom	nmenda	ations					
Inspector Recommendations		Year	Inspector Comments		Department Comme	nts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL		2012	Install missing splice bolts and rail to pos bolts.	st						
SEAL CURBS										
PATCH DECK		2012	Patch potholes.							
OVERLAY DECK										
STRAIGHTEN/REPLACE MEMBER	5		-							
WASHING			-							
SHOTCRETE REPAIRS			-							
CORE TIMBER CAPS/CORBELS										
REPAIR/REPLACE TIMBER CAPS										
REPAIR ABUTMENT SCOUR/EROS	SION									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL STRUTS										
OTHER ACTION		2012	Replace hazard makers.							
OTHER ACTION		2012	Repair curb face.							
OTHER ACTION		2012	Replace girders.							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/ (%)	Now)	50.0/55.6 Sufficiency Rating (Last/No (%)			2 .2/59.1 E	st. Repl. Yr	2022	Maint. Red	qd. (Y/N)	Yes
Special Monitor headslope Comments for Next Inspection	es.			· ·	Department Comments					
Maintenance Reviewed By					Date		E	Estimated Total	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Jacob		Oresile	Pre	evious A	s Assistant's Name					
Next Inspection Date	08-Nov				Inspection Date 29-Jan-2009					
Inspection Cycle (Default) (months)	39									
Comment										