						E	Bridge I	nspe	ction						
Bridge File Num	ber	8240	1 N2-1 Bridg	e					n Type			PSR			
Year Built/Year			/2007					Lot No.			3				
Supstr								Insp	Inspector Name			Garry Roberts			
Bridge or Town I	Name	Deer	foot - Stoney	Trail No	rth Inte	ercha	nge	Inspector Class			BR CLS A				
Located Over		201:0	02 C1-1OL 0.	015;201	:02 L1	0.012	2	Assistant Name							
Located On		2:15	R1 48.752;R	AMP 287	72-1 D)		Assistant Class							
Water Body CI./	Year								Inspection Date			21-Aug-2011			
Navigabil. Cl./Ye	ar							Data Entry By			T T				
Legal Land Location SW SEC 33 TWP 25 RGE 29 W4				4M			Data Entry Date			Erin Roberts					
Longitude, Latitude -114:00:02, 51:10:31						Reviewer Name			07-Sep-2011 Tom Carey						
Road Authority Alberta Transportation (AIT)							Review Date		24-Aug-2011						
Contract Main. Area DEERFOOT/STONEY										Tim Davies					
Clear Roadway/Skew 31.1 /															
AADT/Year								e	08-Sep-2011						
Road Classificat	ion							Follo	ow-Up E	ЭУ					
Detour Length (F		1													
Allowable Load (igle (CS1 28		Semi	i Cs	S2 49		Train CS			33 62> On Criti		> On Critic	al Spans ember
Design Loading:			CL800		-									> Primary	Span
						Po	osting I	nform	nation					,	•
Required Vert. C	learar	nce Po	sting (m)	UNDEF	R: 201	C1-10	OL 7.3m	n, 201	L1 7.0r	m					
Posted Vertical (Cleara	nce (Y	′/N)	Yes											
Posted: Lane	WB	O	n Bridge (m)	5.4	In Adv	ance	(Y/N)	No	Lane	ЕВ	0	n Bridge (m)		In Advance	(Y/N)
Remarks	Poste		on Sp.1- 5.4		2- 5.4n	n	. , ,							'	
Required Load F	ostina	(t)		Single				Semi			Truck Train				
Posted Loading		, ()		Single				Semi			Truck Train				
Posted:	Lane	W	/B	At Juno	tion (Y	//N)			In Advance (Y/N)			At Bridge (Y/N)			
Posted:	Lane	EI		At Juno	•				In Advance (Y/N)			At Bridge (Y/N)			
Remarks	Not re					,				(<u> </u>		-	- J - (·)	
Hazard Marker A			N) No												
Remarks		<u> </u>	Not req												
Other Sign Type	s														
, , , , , , , , , , , , , , , , , , ,						Ut	ilities (Locat	ed at)						
Utility Attachmer	nts						Ì								
Telephone								Gas							
Power	North	and E	ast side. Als	o under	bridge	!			nicipal						
Others	Light								olem (Y	/N) I	No				
Remarks															
							Approa	ach R	oad						
						Last	Now	Ехр	lanatio	n of C	ondi	tion			
Horizontal Aligni	ment					7	7								
Vertical Alignme	nt					8	8								
Roadway Width	(m)							Brid	ge is ap	prox.	15-20	mm higher th	an ap	oproach slab a	at both ends.
Approach Bump						5	6								
Guardrail (Y/N)			Yes						Only 2 bolts at post to block at first 7 posts at SW, NW, and				and SE- SW		
Guardrail						5	4		has 4 bolts. 3 Loose bolts at SW and 1 loose bolt at NE transition plates.				ates		
Length (m)			18.000					18m	at NW	- Appr	oach	end is continu	ous.	= aarioidon pi	a.00.
Current Standa	ard (Y/	N)	Yes												
Termination Ty			Attenua	itor											
Drainage						4	7								
Approach Road General Rating			7	7											

					(Supers	tructure
Bridge Com	ponent						Explanation of Condition
(Primary Spa	nn : NU, 2 Spa i	ns, Leng	gths(n	n): 37.5-37.5,	A-Iden	t Numb	per:)
Special Feat	ures						
Special Feat	ure					Х	
(Type:)					·		
Special Feat	ure					Х	
(Type:)							
	ace/Deck Top	Detail R	Ratings	<u> </u>			
	N (%)	1 (%)		2 (%)	3 (%)		
Last	0	0		0		0	
Now	0.0	0.0	0	0.0	0	0.0	
Wearing Sur		<u>'</u>		<u>'</u>	5	8	
(Material T							
(Thickness							
	ection Problen	n N	 In				
(Y/N)	COLIOTT TODICT						
Deck Top					N	N	Paved over.
Deck Rideab	ility				8	8	
Deck Joints					3	4	SW parapet cover plate missing 1 bolt and 3 others are loose. 2 bolts
Temperatu	re (deg. C)	23	3				missing at NW.
(Expansion	Type : GLAN	D (WAB	O-MA	UER, TRANS	SFLEX,	ETC))	
(Fixed Type	e:)						
Gap Size (mm)		Gap L	ocation			
80			Abut 1	I- South			
70			Abut 2	2- North			
Deck Draina	ge	·			7	7	
Drains Clo	gged (Y/N)	N	lo				
Curbs/Media					3	8	Cable barrier seperates 3 through lanes from 2 exit lanes.
(Curb Type							ousia suma coporation o uniough tamos nom 2 out tamos.
	ercent Area)	0					
Bridge Rail	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				X	Х	
(Type:)							
Bridge Rail F	nsts				X	X	
(Type:)	0010				Α		Pigmented sealer at parapet exteriors.
Bridge Rail/F	Posts Coating				8	7	
(Type:)	ooto Oodiing				J J		
Sidewalk					X	X	
	D. //				1		
Girder Detail	N (count)	1 (coun	nt)	2 (count)	3 (cou	ınt)	
Last	0	0		0		0	
Now	0	0		0		0	
Girders	U			U		4	Hairling diagonal and longitudinal arasks in and blacks of most
	Z/NI)	V	es		4	4	Hairline diagonal and longitudinal cracks in end blocks of most girders at both abut. and pier ends. Cracks are marked from previous
Cracking (Level 2 inspection.
	ercent Area)	0					
(Number Of							
/lapnragms	Cross Frame				8	8	

			Supers	tructure
Bridge Component		Last		Explanation of Condition
(Primary Span : NU, 2 Spans, Lo	engths(m): 37.5-37.5,	A-Iden	t Numb	per:)
Bearings		9	8	
Temperature (deg. C)	23			Exp. at both abuts. Exterior 3 girders do not have A/B.
(Expansion Type : REINFORC TEFLON AND STAINLESS ST	ED NEOPRENE BEAR (EEL)	RING W	VITH	Pier is integral.
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	Cracks with staining and other areas with staining. Some cracks
Stains (Percent Area)	0			appear to be sealed.
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		9	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	Isolated vertical cracks. Access hatch between G5-G6
Wingwalls		8	8	
Piles		N	N	Buried.
Paint/Coating		6	7	Pigmented sealer
Abutment Stability		9	8	
Scour/Erosion		4	7	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		9	8	
(Type:)				
(Total Number of Bearing Piles :	0)			
Pier Shaft/Piles		9	8	
Bracing/Struts/Sheathing		Х	X	
Nose Plate		Х	Х	
Paint/Coating		8	8	
(Colour Description :)				Pigmented sealer
(Colour Code :)				
Pier Stability		9	8	
Scour		7	Х	
Debris (Y/N)	No			
Substructure General Rating		9	8	

		Struct	ıre Usage
	Las	Now	Explanation of Condition
Grade Separation			
Road Alignment	7	7	
Traffic Safety Features	X	X	
Туре			
Slope Protection	8	8	
(Type : CONCRETE; CONCRE	TE)		
Bank Stability	5	7	
Drainage	7	7	
Grade Separation General Ratin	ng 5	7	

Bridge Inspection & Maintenance System (Web 2005)

			Maintenance Reco	mmend	ations					
Inspector Recommendations		Year	Inspector Comments		Department Comme	ents		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAI	IL	2011	Tighten thriebeam bolts and transition b	olts						
GALVANIZE/PAINT BRIDGE RA	.IL									
SEAL CURBS										
PATCH DECK										
SEAL DECK										
OVERLAY DECK										
REPAIR/REPLACE DECK JOINT	TS	2011	Install 3 cover plate bolts- tighten others	3.						
RESET/ PAINT BEARINGS										
WASHING										
SHOTCRETE REPAIRS										
REPAIR ABUTMENT SCOUR/ER	ROSION									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION	ON									
OTHER ACTION		2011	Install V.C. signs in advance W/B							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (La (%)	ast/Now)	72.2/66	.7 Sufficiency Rating (Last/Nov (%)	w) 6	67.9/64.4 E	Est. Repl. Yr	2065	Maint. Re	qd. (Y/N)	Yes
Structural Condition Rating (La (%) Special Re-rate NU gir Comments for early in 2010 (rder cracks at	fter airde	r rating guide is available from AT- expec		Department Comments	Est. Repl. Yr	2065	Maint. Re	qd. (Y/N)	Yes
Structural Condition Rating (La (%) Special Re-rate NU gir	rder cracks at	fter airde	r rating guide is available from AT- expec		Department	Est. Repl. Yr		Maint. Red		Yes
Structural Condition Rating (La (%) Special Comments for Next Inspection Re-rate NU gire early in 2010 (rder cracks at	fter airde	r rating guide is available from AT- expec		Department Comments	Est. Repl. Yr				Yes
Structural Condition Rating (La (%) Special Comments for Next Inspection Re-rate NU gir early in 2010 (rder cracks at	fter airde	r rating guide is available from AT- expec		Department Comments	Est. Repl. Yr				Yes
Structural Condition Rating (La (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy	rder cracks at	fter airde	r rating guide is available from AT- expec		Department Comments	Est. Repl. Yr				Yes
Structural Condition Rating (La (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action	rder cracks at	fter airde	r rating guide is available from AT- expec	eted	Department Comments	Est. Repl. Yr				Yes
Structural Condition Rating (La (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name	rder cracks at	fter girde lov 27/09	r rating guide is available from AT- expec	cted revious A	Department Comments Date	Est. Repl. Yr				Yes
Structural Condition Rating (La (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N)	rder cracks at (G. Roberts N	fter girde lov 27/09	r rating guide is available from AT- expec	cted revious A	Department Comments Date Assistant's Name					Yes