						Е	ridge Ir	nspec	tion							
Bridge File Number 82401 N1-3 Bridge							Form Type			PSR						
Year Built/Year								Lot No.		3						
Supstr								Inspector Name		Garry Roberts						
Bridge or Town Na	ame D	eerfoot	- Stoney	Trail North Interchange				Inspector Class			BR CLS A					
Located Over	2	01:02 R	1 0.016					Assistant Name								
Located On	2	:15 R1 4	18.565					Assistant Class								
Water Body Cl./Ye	ear							Inspection Date			21-Aug-2011					
Navigabil. Cl./Year	r							Data Entry By			Alyssa Boynton					
Legal Land Location	on S	W SEC	33 TWP	3 TWP 25 RGE 29 W4M					Entry D			09-Sep-2011				
Longitude, Latitude	e -1	114:00:0	3, 51:10:	25					ewer Na			Tom Carey				
Road Authority	Α	lberta T	ransportation (AIT)						Review Date			24-Aug-2011				
Contract Main. Are	ea D	EERFO	OOT/STONEY								Tim Davies					
Clear Roadway/Sk	cew 3	1.1 /						Dept. Review Date			16-Sep-2011					
AADT/Year	6	6,090 / 2	2010 (A)						w-Up B		,	10-06р-201				
Road Classification	n							1 Ollo	W-OP D	у						
Detour Length (km	n) 1															
Allowable Load (t):	Singl	e CS1	28		Semi	CS	S2 49		Т	rain	cs	3 62		> On Critic	cal Span	ıs
														>Critical N		
Design Loading:		CL80	00						_					> Primary	Span	
D : 11/ . 01		- ·	( )				sting Ir	ntorm	ation							
Required Vert. Cle			g (m)	UNDER	R: 201	R1 6.	Um									
	Posted Vertical Clearance (Y/N) Posted: Lane NB On Bridge			No			0.40.0									
			idge (m)		n Adv	ance	(Y/N)		Lane	SB	0	n Bridge (m)		In Advance	e (Y/N)	
		lge #4 is	posted													
Required Load Posting (t)				Single				Semi					Truck Train			
Posted Loading (t)				Single					Semi				Truck Train			
Posted: La	ane	WB		At Junction (Y/N)		′/N)		I	n Advar	nce (Y	/N)		At Bridge (Y/N)			
Posted: La	ane	EB		At Junction (Y/N)		′/N)		I	n Advar	nce (Y	/N)		At Bridge (Y/N)			
Remarks N	lot req.															
Hazard Marker At	Bridge	(Y/N)	No													
Remarks			Not req.													
Other Sign Types																
						Ut	ilities (L	Locate	ed at)							
Utility Attachments	8															
Telephone								Gas								
Power U	Inder d	leck						Muni	Municipal Light standards							
Others U	Inknow	n electri	cal at SE					Prob	Problem (Y/N) No							
Remarks	Remarks															
							Approa									
						Last	Now	Expl	anation	of Co	ondit	tion				
Horizontal Alignment						7	7									
Vertical Alignment						8	8									
Roadway Width (m)																
Approach Bump	Approach Bump					5	7	-								
Guardrail (Y/N)			Yes	'es				Thrie	Thriebeam is missing 2 bolts at post to block connection of 7 p				n of 7 po	osts		
Guardrail						3	4	3 loo	each corner. Also other loose and missing bolts. 3 loose transition plate bolts at NW approach to bridge barr			barrier				
Length (m)			99.000					conn	onnection and 4 loose at SE			<b>3</b> -				
Current Standard	d (Y/N)	)	Yes													
Termination Type	е		Attenua	tor												
Drainage						4	5									
Approach Road G	Genera	al Rating	9			7	7									

						Supers	tructure
Bridge Com	ponent					Now	Explanation of Condition
	n : <b>NU, 1 Spa</b> r	ns, Lend	qths(n	n): 44.3, A-Ide			
Special Feat		<u> </u>		<u>, , , , , , , , , , , , , , , , , , , </u>			
Special Featu						X	
(Type : )							
Special Featu	ıre					X	
(Type:)							
	ace/Deck Top	Detail R	Ratings				
Troding Can	N (%)	1 (%)		2 (%)	3 (%)		
Last	0	0	)	0		0	
Now	0.0	0.0		0.0	1	).0	
Wearing Surf		0.0		0.0	6	7	
(Material Ty					0		
(Thickness							
	ection Problem	n N	lo				
(Y/N)	ection Problem	1   1	Ю				
Deck Top					N N		Paved over.
Deck Rideab	ility				8	8	
Deck Joints					4	8	
Temperatu	re (deg. C)	2	3				Gland at Abut. 1
(Expansion Type: GLAND (WABO-MAUER, TRANS					FLEX,	ETC))	
(Fixed Type : )							
Gap Size (mm) Gap Location							
70 Abut. 1							
20 Abut. 2				2			
Deck Drainag	ge	·			7	7	
Drains Clog		N	lo				
Curbs/Media					7	7	Cable barrier median seperates 3 through lanes 2. Wide vertical
	: JERSEY/F S	SHAPE)					cracks
	ercent Area)	0					
Bridge Rail	, , Juj	J			Х	Х	
(Type:)							
Bridge Rail P			X	X			
(Type:)							Pigmented sealer at parapet exteriors
Bridge Rail/Posts Coating					8	8	
					- 0	J	
(Type:)					X	V	
Sidewalk	Sidewalk					X	
Girder Detail							
	N (count)	1 (cour	nt)	2 (count)	3 (cou	ınt)	
Last	0	0		0		0	
Now	0	0		0		0	
Girders					4	4	Hairline longitudinal and diagonal cracks in end blocks of G1-G2-G10
Cracking (Y	′/N)	Y	'es				at Abut.1 and G3-G4, G5, G7-G8, G9, G10 at Abut. 2. Marked from 2008 Level 2 inspection.
Spalling (Po	ercent Area)	0					· ·
(Number Of 0	Girders : <b>10</b> )						
Diaphragms/	Cross Frame				9	8	
	, ,						

			Supers	tructure
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 1 Spans, Lo	engths(m): 44.3, A-Ide	ent Nur	nber: )	
Bearings		9	8	
Temperature (deg. C)	23			Exp. at Abut. 1 Fixed at Abut. 2. Exterior 3 girders at Abut. 2 have teflon sliders
(Expansion Type : REINFORC	ED PAD BEARING)			Tined at Abdt. 2. Exterior 3 girders at Abdt. 2 have telion sliders
(Fixed Type : REINFORCED P	<u> </u>			
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Caperon actars Concra Ranny				
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		9	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	Isolated wide vertical cracks. Access hatch between G5-G6
Wingwalls		8	8	
Piles		N	N	Buried.
Paint/Coating		4	7	
Abutment Stability		9	8	
Scour/Erosion			7	
Piers/Bents				
(Type:)				
Bearing Seats/Caps		Х	Х	
(Type:)				
(Total Number of Bearing Piles :	)			
Pier Shaft/Piles	,	Х	Х	
Bracing/Struts/Sheathing		Х	Х	
Nose Plate			X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability			Х	
Scour		Х	Х	
Debris (Y/N)	No			
Substructure General Rating		9	8	
			Structu	re Usage
		Last	Now	Explanation of Condition
Grade Separation		Lust	1.1044	
Road Alignment		7	7	

		re Usage					
	Last	Now	Explanation of Condition				
Traffic Safety Features		X					
Туре							
Slope Protection	8	7	Isolated crack at top South East corner.				
(Type : CONCRETE; CONCRETE)							
Bank Stability		7					
Drainage	7	7					
Grade Separation General Rating	5	7					

Bridge Inspection & Maintenance System (Web 2005)

82401 N1-3 Bridge

nspector Recommendations		Maintenance Recom	menuations					
nopeotor recommendations	Year	Inspector Comments	Department Con	Target Year	Est. Cost	Cat #		
REPAIR/REPLACE BRIDGE RAIL		Install approx. 60 missing approach rail by (3) and tighten 2 transition bolts at North bend and 4 at South East.	olts West					
GALVANIZE/PAINT BRIDGE RAIL								
SEAL CURBS								
PATCH DECK								
SEAL DECK								
OVERLAY DECK								
REPAIR/REPLACE DECK JOINTS								
RESET/ PAINT BEARINGS								
WASHING								
SHOTCRETE REPAIRS								
REPAIR ABUTMENT SCOUR/EROSION								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/Now) %)	72.2/66	7 Sufficiency Rating (Last/Now) (%)	61.2/62.0	Est. Repl. Yr	2081	Maint. Red	qd. (Y/N)	Yes
Adjust NU girder ratings a 2010 (G.Roberts Nov. 25)  Next Inspection	ofter AT pro (09)	oduces girder rating guide - expected in ear	Department Comments					
Maintenance Reviewed By			Date		E	Estimated Total	0	
Proposed Long-Term Strategy								
On 3-Year Program (Y/N)								
On 3-Year Program (Y/N) Proposed Action								
Proposed Action	/ Roberts	Pre	vious Assistant's Name					
Proposed Action Previous Inspector's Name Garr				25-Nov-2009				
Proposed Action Previous Inspector's Name Garr	/ Roberts ay-2013		vious Assistant's Name vious Inspection Date	25-Nov-2009				