								Bridge I	nsn	ection						
Bridge File Numl	per	8240	1 S1-2 Br	dae	j			Jilage		rm Type			PSR			
Year Built/Year	301		/2007	ugc	<u> </u>					Lot No.		2				
Supstr		2000	72001							Inspector Name			Garry Roberts			
Bridge or Town I	Name	Deer	foot - Stor	ey	Trail No	rth Inte	ercha	nge		Inspector Class		BR CLS A				
Located Over		201:0	08 L1 23.8	77						Assistant Name		DIC OLO A				
Located On		2:15	L1 48.859							Assistant Class						
Water Body CI./	/ear											24 Ave 2044				
Navigabil. Cl./Ye	ar									Inspection Date		21-Aug-2011				
Legal Land Location SW SEC 33 TWP 25 RGE 29 W4				4M			Data Entry By			Erin Roberts						
Longitude, Latitude -114:00:04, 51:10:31							Data Entry Date		06-Sep-2011							
Road Authority Alberta Transportation (AIT)							Reviewer Name Review Date		Tom Carey							
Contract Main. Area DEERFOOT/STONEY									\	24-Aug-2011						
Clear Roadway/Skew 24.3 /							pt. Revie									
AADT/Year 66,090 / 2010 (A)							pt. Revie		ate	08-Sep-2011						
Road Classificati	ion	00,00		/_					Fo	llow-Up I	Ву					
Detour Length (k																
Allowable Load (ĺ	ale (CS1 28			Semi	С	S2 49	49 Train CS3 62			> On Critical Spans				
/	.,	9.0						C32 49							>Critical Me	ember
Design Loading:			CL800												> Primary S	Span
							P	osting l	nfor	mation						
Required Vert. C	learan	ice Po	osting (m)		UNDEF	R: 201	C1-1	0L 7.1m	ı, 20	1 L1 6.9r	n					
Posted Vertical C	Cleara	nce (Y	//N)		No											
Posted: Lane	WB	0	n Bridge (m)		In Adv	ance	(Y/N)	No	Lane	EB	C	n Bridge (m)		In Advance	(Y/N)
Remarks Adjacent N/B bridge is posted 5.4m				4m												
Required Load P	osting	(t)			Single					Semi		Truck Train				
Posted Loading	(t)			Single						Semi		Truck Train				
Posted:	Lane	W	/B		At Junc	tion (Y	Y/N)			In Advance (Y/N)		At Bridge (Y/N)				
Posted:	Lane	E	В		At Junc	tion (Y	′/N)			In Adva	ance ((Y/N)		At Bridge (Y/N)		
Remarks	Not re	q.														
Hazard Marker A	t Bridg	ge (Y/	N) No													
Remarks		· · ·	Not	eq.												
Other Sign Type	 S			·												
, , , , , , , , , , , , , , , , , , ,							Ut	tilities (Loc	ated at)						
Utility Attachmen	nts															
Telephone									Ga	ıs						
	Lightir	ng und	der deck					Municipal								
	Light									Problem (Y/N) No						
Remarks										,	,					
								Appro	ach	Road						
							Last Now Explanation of Condition					tion				
Horizontal Alignr	nent						7	7								
Vertical Alignme	nt						8	8								
Roadway Width	(m)															
Approach Bump							8	8								
Guardrail (Y/N)			Yes										nriebeam post	to ste	eel block. 2 loc	se thriebeam
Guardrail							4	4	tra	nsition b	olts a	t NE.				
Length (m)			99.0	00												
Current Standa	ard (Y/	N)	Yes													
Termination Ty	/pe		Atte	nua	tor											
Drainage							7	7								
Approach Road General Rating					7	7										

					,	Supers	tructure
Bridge Com	ponent						Explanation of Condition
	n : NU, 2 Spa i	ns, Len	gths(n	n): 37.5-37.5,			•
Special Feat							
Special Feat						Х	
(Type :)							
Special Feat	ure					Х	
(Type:)							
	face/Deck Top	Detail F	Ratings				
Wouling out	N (%)	1 (%)	tatinge	2 (%)	3 (%)		
Last	0	. (70))	0		0	
Now	0.0	0.		0.0		0.0	
	/earing Surface				8 8		
(Material T					0	0	
(Thickness							
	ection Problem		10				
(Y/N)	ection Problem	n N					
Deck Top						N	Paved over.
Deck Rideab	Deck Rideability					8	
Deck Joints					8	8	
Temperatu	re (deg. C)	2	23				
(Expansion	Type : GLAN	D (WAE	3O-MA	UER, TRANS	FLEX,	ETC))	
(Fixed Type	e:)						
Gap Size (Gap L	ocation			
65	•		Abut.1				
65			Abut.				
Deck Draina	ge				7	7	
Drains Clo		N	 10				
Curbs/Media	<u> </u>				8	8	
(Curb Type						_ J	
	ercent Area)	0)				
Bridge Rail	ordent Alea)		,		X	X	
						_ ^	
(Type:)	Poete				X	V	
Bridge Rail F	0313					X	Pigmented sealer at parapet exteriors
(Type:)	Poete Coeting				8	0	
	Posts Coating				ď	8	
(Type :)							
Sidewalk					X	X	
Girder Detail							
	N (count)	1 (cour	nt)	2 (count)	3 (cou	ınt)	
Last	0	C)	0		0	
Now	0	C)	0		0	
Girders					4	7	No visible cracks at abut. ends of girders. Appears to be hairline diagonal web cracks at pier ends.
Cracking (Y/N)	Y	′es				Appears to be hairline diagonal web cracks at pier ends.
Spalling (P	ercent Area)	0)				
(Number Of							
	Cross Frame				9	8	
1							

			Supers	tructure
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 2 Spans, Le	engths(m): 37.5-37.5,	A-Iden	t Numb	per:)
Bearings		9	8	Exp. bearings both abuts. No A/B on 3 exterior girders- by design.
Temperature (deg. C)	23			
(Expansion Type : REINFORC TEFLON AND STAINLESS ST	ED NEOPRENE BEAR (EEL)	RING W	VITH	
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Minor honeycomb at isolated areas.
Stains (Percent Area)	0			
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		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	Access hatch at G4-G5. Missing 3 lower bolts at A2. Isolated vertical cracks.
Wingwalls		8	8	
Piles		N	N	Buried.
Paint/Coating		7	7	Pigmented sealer
Abutment Stability		9	8	
Scour/Erosion		5	7	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		9	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles :	0)			
Pier Shaft/Piles		9	8	
Bracing/Struts/Sheathing		Х	X	
Nose Plate		X	X	
Paint/Coating		7	7	
(Colour Description :)				Pigmented sealer
(Colour Code :)				
Pier Stability		9	8	
Scour		6	7	
Debris (Y/N)	No			
Substructure General Rating		8	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)

82401 S1-2 Bridge

			Maintenance Reco	ommend	ations					
Inspector Recommendations	Year	Year Inspector Comments			Department Com		Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Install 1 NE	missing bolt at SW- tighten 2 b	oolts at						
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/EROSIG	NC									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION										
OTHER ACTION	2012	Install 3	access hatch bolts at North ab	out						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION Structural Condition Rating (Last/No. (%)	ow) 66.7/66	5.7	Sufficiency Rating (Last/No (%)	ow) 5	8.8/62.0	Est. Repl. Yr	2078	Maint. Red	qd. (Y/N)	Yes
Structural Condition Rating (Last/No. (%)			Sufficiency Rating (Last/No (%) ide for NU girders is available-		Department Comments	Est. Repl. Yr	2078	Maint. Red	qd. (Y/N)	Yes
Structural Condition Rating (Last/No. (%) Special Re-rate girder crack expected early 2010			(%)		Department	Est. Repl. Yr		Maint. Red		Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Re-rate girder crack expected early 2010			(%)		Department Comments	Est. Repl. Yr				Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Re-rate girder crack expected early 2010 Maintenance Reviewed By			(%)		Department Comments	Est. Repl. Yr				Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy			(%)		Department Comments	Est. Repl. Yr				Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N)			ide for NU girders is available-	-	Department Comments	Est. Repl. Yr				Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action	s after AT girde) (G.Roberts No		ide for NU girders is available-	Previous A	Department Comments Date	Est. Repl. Yr	E			Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name	s after AT girde (G.Roberts No		ide for NU girders is available-	Previous A	Department Comments Date Assistant's Name		E			Yes