Bridge Inspection																
Bridge File Number 78360 -1 Bridge								Form Type		PSR						
Year Built/Year		1989/1989				Lo			Lot No.		2					
Supstr								Ins	Inspector Name		Wade Nanninga					
Bridge or Town Nan									Inspector Class		BR CLS A					
Located Over	16:	16:14 R1 22.326;16:14 L1 22.33				35			Assistant Name							
Located On		25136:02 R1 0.200;25136:02 L1				1 0.200			sistant C	lass						
Water Body Cl./Yea	ır							Ins	pection I	Date		14-Nov-2012	2			
Navigabil. Cl./Year								Dat	a Entry	Ву		Theresa Lac	usta			
Legal Land Location	n NW	SEC 11 T	WP 5	3 RGE	27 W4N	M_		Dat	a Entry	Date		22-Jan-2013	3			
Longitude, Latitude		3:53:07, 53							viewer N	lame		Eric Carcoux	x			
Road Authority		erta Trans	portati	ion (Al	Γ)			Rev	view Dat	:e		15-Jan-2013	3			
Contract Main. Area								Dep	ot. Revie	wer N	lame	Brent Herric	k			
Clear Roadway/Ske								Dep	ot. Revie	w Dat	:e	22-Jan-2013	3			
AADT/Year		00 / 2012 (`					Fol	low-Up E	Зу						
Road Classification	RAI	U-209-110						-								
Detour Length (km)	10				1	_										
Allowable Load (t):	Single	CS1 28			Semi	C	S2 49			Train	CS	3 62		> On Critic	al Spar ember	าร
Design Loading:		CS750			l									> Primary		
2 00.g.: 200.ag.		00.00				Po	osting I	nforr	nation					- I milary	оран	
Required Vert. Clea	rance F	Posting (m)) [JNDER	R: 16 L1											
Posted Vertical Clea				res												
Posted: Lane EB	3 (On Bridge	(m) 5	5.6 I	n Advan	nce	(Y/N)	Yes	Lane	WB	0	n Bridge (m)	5.5	In Advance	(Y/N)	Yes
Remarks Ch		ertical clea			to 5.4m	as p	per note	d rec	uired V0	Э.						
Required Load Post	ting (t)		5	Single					Semi			Truck Train				
Posted Loading (t)				Single					Semi			Truck Train				
Posted: Lar	ne	NB			tion (Y/N	l) No			In Adva	ance (`	Y/N)	No			No	
Posted: Lar		SB			tion (Y/N		No		In Adva			No		idge (Y/N)	No	
Remarks Not required.											,	-		3 ()		
Hazard Marker At B																
Remarks			requi	red.												
Other Sign Types					rning, S	pee	d, Bum	o sigr	n SE.							
							tilities (
Utility Attachments																
Telephone								Gas	S							
Power 3 w	vires SE	r/w along	EBL	ramp.				Mu	nicipal							
Others Str	eet ligh	ts						Pro	blem (Y	/N)	No					
Remarks																
							Approa									
					Li	ast		-	olanatio		ondi	tion				
Horizontal Alignmen	nt					7	7	On	off ramp	os.						
Vertical Alignment						7	7									
Roadway Width (m)		8.5	00													
Approach Bump						6	6									
Guardrail (Y/N) Yes								Slig	jht tear i NW corr	n SW	rail. S	Still functionin	g. Not	thrie beam. 6	broke	n posts
Guardrail					4	4	"	TVV COII	ıcı - pı	1010.						
Length (m) 19.000																
Current Standard (Y/N) No																
Termination Type Turned Down											-	.,				
Drainage					4	4	NW	drain tr	ough (crack	ed/spalled.06	-Oct-2	2010			
							SE	settled I	oetwee	en tro	ugh & wingw	all- co	overed with sn	ow.		
Approach Road Ge	eneral F	Rating				7	7									

					,	Supers	tructure					
Bridge Comp	onent						Explanation of Condition					
(Primary Spa		ans, Len	gths(m)): 40-40, A-			-					
Special Feat												
Special Feature						Х						
(Type:)												
Special Featu	ıre					Х						
(Type:)												
Wearing Surface/Deck Top Detail Ratings												
	N (%) 1 (%) 2 (%)		(%)	3 (%)								
Last			(//									
Now	30.0											
Wearing Surface					4	4	SBL & NBL potholes & birdbaths forming - photo.					
	/pe : ACP - C	ONVENTI	IONAL (CHIP SEAL	COAT	Γ)						
(Thickness)						,						
Lateral Conne		m No)									
Deck Top		·			N	N						
Deck Rideabi	lity				7	7						
Deck Joints					4	3	(Small nick in extrusion south abutment northbound lane. Bladder ok.					
Temperatur	e (deg. C)	15					11/Dec/2008) Median curb cover plate bent @ North abutment.					
	Type : GLAN	ID (WABC	D-MAUE	R, TRANS	FLEX,	ETC))	Missing 2 cover plate bolts @ SE. Appears to be leaking @ SE corner, evident by staining of abutment seat/breastwall. Cover plate					
(Fixed Type		•		<u> </u>			on sidewall @ SÉ is lifted up and 12/16 bolt heads have pulled through plate - photo06-Oct-2010					
Gap Size (mm) Gap Location												
80 N. abut							Water leaking on S abut. seat under G6photo					
90		S	S. abut				1					
Deck Drainag	ie	<u>'</u>			3	3	Seepage from weep tubes causing damage to girders - photo.					
Drains Clog		No)				Birdbath along wheel path -leaking S abut.					
Curbs/Mediar					5	5	Median has transverse cracks over its length. Typical vertical cracks					
	: Standard)						in ext fascia at bridgerail posts.					
Scaling (Pe		1										
Bridge Rail	10011171104)	•			9	9						
	LVANIZED S	TEEL BRI	IDGE TI	IRF)	<u> </u>	<u> </u>						
Bridge Rail P		. LLE DIVI	.JUL 10	JJL)	9	N	Dirty.					
	LVANIZED P	OST STEI	EL;GAL	VANIZED		11						
Bridge Rail/P	osts Coating				8	8						
						<u> </u>						
(Type : GALVANIZED) Sidewalk					6	N	Approaches to sidewalks settled about 300mm06-Oct-2010					
Oldewalk						IN	Approaches to sidewarks settled about 300mm00-Oct-2010					
Girder Detail Ratings												
N (count) 1 (count) 2 (count)			3 (cou	ınt)								
Last						4						
Now												

Superstructure									
Bridge Component		Last		Explanation of Condition					
(Primary Span : CBT, 2 Spans, L	engths(m): 40-40, A-l	dent N	Numbei	·:)					
Girders		3	4	Weeping tubes were functioning & cause stain & cracks in girders.					
Cracking (Y/N)	king (Y/N) Yes			Rust spots on S2/G16, from leakage. Typical DBT cracking @ enc 15 girders in span 2 have had HLD repaired.					
Spalling (Percent Area) 0				To gradio in Span 2 have had theb repaired.					
(Number Of Girders : 36)									
Diaphragms/Cross Frame		8	8						
Bearings		8	8	Pier, need snooper to inspect pier bearings. Viewed with binoculars.					
Temperature (deg. C)	0								
(Expansion Type : REINFORCE TEFLON AND STAINLESS ST	EEL)		/ITH						
(Fixed Type : REINFORCED NI TEFLON AND STAINLESS ST	EOPRENE BEARING EEL)	WITH							
Coating Adequate (Y/N)	Yes								
Functioning (Y/N)	Yes								
Deck Underside		6	6	Stained at weep tubes.					
Stains (Percent Area)	1								
Span Alignment Problems									
Vertical (Y/N)	No								
Horizontal (Y/N)	No								
Superstructure General Rating		3	4						
			Subst	ructure					
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
Bearing Seats/Caps		7	7						
(Type : CONCRETE)		ı							
Backwalls/Breastwalls		6	6	Vertical cracks on both breastwalls.					
Wingwalls		6	6	West wingwall, both abutments have horizontal & vertical cracks.					
Piles		N	N						
Paint/Coating		4	4	Cracked/peeling.					
Abutment Stability		8	8						
Scour/Erosion		4	4	North headslope, erosion gully - 0.2x0.2x3m.					
Piers/Bents									
(Type : PIER-COLUMN)				Hairline map cracks @ 0.4m spacing on cap. Hairline horizontal					
Bearing Seats/Caps		6	6	crack @ 0.5m spacing on columns.					
(Type : CONCRETE)									
(Total Number of Bearing Piles : (0)			Pier shafts					
Pier Shaft/Piles		6	6						
Bracing/Struts/Sheathing		Х	Х						
Nose Plate			Х						
Paint/Coating		5	5	Finish peeling north side pier near c/l, dripping from deck. Capseal.					
(Colour Description :)				Grey.					
(Colour Code :)									
Pier Stability		9	9						
Scour			Х						

Substructure									
Bridge Component		Last	Now	Explanation of Condition					
Debris (Y/N)	No								
Substructure General Rating			6						
		5	Structu	re Usage					
		Last	Now	Explanation of Condition					
Grade Separation			_						
Road Alignment		9	9						
Traffic Safety Features			9	Median only.					
Туре	pe Guardrails								
Slope Protection		4	4	Dirt topped with washed pea gravel. (Erosion gully 0.5 deep x 1.5m wide @ NW - photo06-Oct-2010) 0.2x0.2x3m on NW headslope.					
(Type: NONE; NONE)				wide @ NW - photo06-Oct-2010) 0.2x0.2x3m on NW headslope.					
Bank Stability			6						
Drainage			5						
Grade Separation General Rating			4						

		Maintenance Recommend	lations					
Inspector Recommendations	Year	Inspector Comments	Department Comn	nents		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL								
GALVANIZE/PAINT BRIDGE RAIL								
SEAL CURBS								
PATCH DECK	2013	Patch potholes on approaches.						
SEAL DECK								
OVERLAY DECK								
REPAIR/REPLACE DECK JOINTS	2013	Repair bent cover plate & replace broken bolts. Replace other bolts with washers so they don't pull through the cover plate, if not done already.						
RESET/ PAINT BEARINGS								
WASHING								
SHOTCRETE REPAIRS								
REPAIR ABUTMENT SCOUR/EROSION								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
OTHER ACTION								
OTHER ACTION	2013	Extend weep tubes						
OTHER ACTION	2013	Change vertical clearance signs to meet required VC" noted.						
OTHER ACTION	2013	Recast bearing grout pad @ West light standard on bridge.						
OTHER ACTION	2013	Repair guardrail @ NW corner.						
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/Now) (%)	50.0/55	.6 Sufficiency Rating (Last/Now) (%)	49.3/51.8	Est. Repl. Yr	2065	Maint. Re	qd. (Y/N)	Yes

Bridge Inspection & Maintenance System (Web 2005)

Alberta Transportation	Bridge Inspection & Maintenance System (Web	2005)	78360 -1 Bridge		
Special Comments for Next Inspection		Department Comments			
Maintenance Reviewed By		Date		Estimated Total	0
Proposed Long-Term Strategy					
On 3-Year Program (Y/N)					
Proposed Action					
Previous Inspector's Name	Shane Hall	Previous Assistant's Nam	e		
Next Inspection Date	14-Aug-2014	Previous Inspection Date	06-Oct-2010		
Inspection Cycle (Default) (months)	21				
Comment					