							Sridae	Insi	oection								
Bridge File Number	r 777	750 W-	1 Bridge				Jilage		Form Type				PSR				
Year Built/Year		33/1983						-	Lot No.		2						
Supstr									Inspector Name			Wade Nanninga					
Bridge or Town Nar	me LAŁ	KE EDI	EN						Inspector Class				BR CLS A				
Located Over	16:	14 R1	1 4.158						Assistant Name								
Located On		MP 10)4-1 A					A	Assistant Class								
Water Body Cl./Yea	ar							_ Ir	Inspection Date			31-Jul-2012					
Navigabil. Cl./Year									Data Entry By			Theresa Lacusta					
Legal Land Location	n NE	SEC 1	12 TWP	TMD 53 DCE 2 M/5M					Data Entry Date			20-Aug-2012					
Longitude, Latitude	-11	4:09:3	31, 53:34:10						_			Eric Carcoux					
Road Authority Alberta Ti			ansport	ation (Al	T)			R				20-Aug-2012					
Contract Main. Area CMA11								_ D	ept. Re	view	er Naı	me	Brent Herrick				
Clear Roadway/Skew 12.5 / -59		5 / -59	deg. (Ll	HF)					Dept. Review Date				22-Aug-2012				
AADT/Year									ollow-U								
Road Classification	n RAI	D-412.	4-120					╝.		7							
Detour Length (km)) 1																
Allowable Load (t):	Single	CS1	28		Semi	i C	S2 49			Tra	ain	CS	3 62		> On Critical Spans > Critical Member		
Design Leadings		MCOC	20														
Design Loading:		MS30	JU			В	octing	Info	rmatio	2					> Primary	Span	
Required Vert. Clea	arance F	Postina	ı (m)	UNDEI	R· 16 F			ше	miatio								
·	Required Vert. Clearance Posting (Posted Vertical Clearance (Y/N)			Yes	<u> </u>	(10.											
Posted: Lane EE			dae (m)		In Adv	ance	(Y/N)	Ye	s Lar	ne V	VB	0	n Bridge (m)	5.3	In Advance	(Y/N) Yes	
Remarks		011 211	ago (III)	0.0	,	41100	(1/14)	1.0	o Lai	.0 1			n Bridge (m)	0.0	III / tavailoo	(1711) 100	
Required Load Pos	sting (t)			Single					Semi				Truck Train				
Posted Loading (t)	,g (t)			Single					Semi			Truck Train					
		EB		At Junction (//NI)	D		In Advance (Y/N)			At Bridge (Y/N)					
		WB		At June			No				ce (Y/		No		ridge (Y/N)	No	
Remarks Not required.) 11 0 11	,,,,	1110		11171	210110	30 (17)	. •,	110	, D.	1490 (1711)	110			
Hazard Marker At Bridge (Y/N) No																	
Remarks	Jiiago (Not req	uired													
Other Sign Types			Informa		eed. W	/arnir	na.										
oe. o.g Types				, -				(Loc	cated a	t)							
Utility Attachments																	
	outh r/w							G	as								
	wires No	orth r/w	٧.					N	1unicipa	ı							
Others									roblem) No)					
Remarks																	
							Appro	ach	Road								
						Last	Now	E	xplana	tion (of Co	ndi	ion				
Horizontal Alignme	nt					7	7	_									
Vertical Alignment						7	7	_									
Roadway Width (m)		12.800															
Approach Bump						6	6	\perp									
Guardrail (Y/N)			Yes					nsufficient posts. Minor creases but functioning. NW transit			ansition not						
Guardrail					5	5	_	olted, but welded.									
Length (m)			99.000														
Current Standard			No														
Termination Type)		Turned	Down													
Drainage						5	3		SW drain chipped & cracked. SW drain not connected to approach water leaking under approach slabphoto				o approach,				
Approach Road G	eneral I	Rating				7	7										

						Supers	structure				
Bridge Comp	onent				Last	Now	Explanation of Condition				
(Primary Spar	n : PB, 4 Spa	ns, Le	ngths(n	n): 23.4-50-50)-23.4, /	A-Ident	Number:)				
Special Feat	ures					_					
Special Featu	ıre					X					
(Type:)											
Special Featu	ıre					X					
(Type:)											
Special Feature (Type:) Wearing Surface/Deck Top Detail Ratings N (%) 1 (%) 2 (%) Last Now Wearing Surface (Material Type: CONCRETE - CONVENTIONAL COAT) (Thickness(mm): 50) Lateral Connection Problem (Y/N) Deck Top Deck Rideability Deck Joints Temperature (deg. C) 18 (Expansion Type: FINGER PLATES) (Fixed Type:) Gap Size (mm) Gap Location 300 N. abut 270 S. abut Deck Drainage Drains Clogged (Y/N) No Curbs/Median (Curb Type: Standard) Scaling (Percent Area) 15 Bridge Rail (Type: GALVANIZED STEEL BRIDGE TUBE) Bridge Rail/Posts (Type: GALVANIZED) Sidewalk Girder Detail Ratings		3									
	N (%)	1 (%)		2 (%)	3 (%)						
Last											
Now											
(Material Ty		ETE - (CONVE	NTIONAL CH	4 IP SEA	8 L					
,	mm) : 50)										
		n	No				-				
(Y/N)											
Deck Top					N	N					
Deck Rideabi	lity				7	7					
Deck Joints					4	4	Fingers have been cut and rewelded flush. (50mm dia spalls in				
Temperatur	pecial Feature (Type :) learing Surface/Deck Top Detail Ratings N (%) 1 (%) 2 (%) learing Surface (Material Type : CONCRETE - CONVENTIONAL COAT) (Thickness(mm) : 50) leateral Connection Problem (N) leck Top leck Rideability leck Joints Temperature (deg. C) 18 (Expansion Type : FINGER PLATES) (Fixed Type :) Gap Size (mm) Gap Location N. abut CO S. abut Curb Type : Standard) Scaling (Percent Area) 15 Iridge Rail (Type : GALVANIZED STEEL BRIDGE TUBE) Iridge Rail Posts (Type : GALVANIZED) Tridge Rail/Posts Coating (Type : GALVANIZED)						paving lip. Some repaired with epoxy07-Oct-2010 Drain troughs have heavy scaling.				
(Expansion	Type : FINGE	ER PLA	ATES)				Chipseal jammed in jointsphoto				
(Fixed Type	e:)						Finger @ NE is loose and rattles under traffic.				
Gap Size (n	Special Features Special Feature (Type:) Special Feature (Type:) Nearing Surface/Deck Top Detail Ratings N (%) 1 (%) 2 (%) Last Now Nearing Surface (Material Type: CONCRETE - CONVENTIONAL COAT) (Thickness(mm): 50) Lateral Connection Problem No Y/N) Deck Top Deck Rideability Deck Joints Temperature (deg. C) 18 (Expansion Type: FINGER PLATES) (Fixed Type:) Gap Size (mm) Gap Location 300 N. abut S. abut Deck Drainage Drains Clogged (Y/N) No Curbs/Median (Curb Type: Standard) Scaling (Percent Area) 15 Bridge Rail (Type: GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts (Type: GALVANIZED POST STEEL;GALVANISTEEL) Gridge Rail/Posts Coating (Type: GALVANIZED) Sidewalk Girder Detail Ratings N (count) 1 (count) 2 (countage) Last			ocation							
Gap Size (mm) Gap Location N. abut				ut							
			ıt								
Deck Drainag	je				4	4	SE drain causing delam in surrounding concrete. Curb on concrete				
Drains Clog	County C					drain on South headslope is broken.					
Curbs/Mediar	า				4	4	Plow scrapes. Typical transverse shrinkage vertical cracks along				
(Curb Type	: Standard)						curb every 600mm. Verical cracks on outside of curb @ posts. Typical curb exterior cracking/staining under posts.				
Scaling (Pe	rcent Area)		15								
					_	T _	Chipseal binder split along curbs.				
					7	7	Grout pads on a few posts are spalling.				
` • •		IEELE	SRIDGE	: IUBE)							
		OOT 0	TEEL -0	A1.VANUZED	5	4	Base of posts at drain holes rusting.				
	LVANIZED P	0515	TEEL;G	ALVANIZED	P051						
Bridge Rail/Po	osts Coating				4	4					
Sidewalk	· ·				Х	X					
Girder Detail	Ratings										
J Cor Dotail		1 (co	unt)	2 (count)	3 (cou	unt)					
Last	. (200.11)	. (00		- (2 (300	,					
Now											
Girders		1			4	4	Stains around drain @ SE. Cracks on SE corner, monitor .35mm.				
Cracking (Y	′/N)		Yes		,		Cracks on NW corner, monitor .60mm. Minor high load scrapes				
	ercent Area)		0				above EB traffic. High load scrap & chip in WB travel lane.				
(Number Of C	· · · · · · · · · · · · · · · · · · ·		-								

			Supers	structure					
Bridge Component	Bridge Component								
(Primary Span : PB, 4 Spans, L	_engths(m): 23.4-5		Now A-Ident	·					
Diaphragms/Cross Frame		Х	Х						
Dessines		4	1						
Bearings	40	4	4	SE stainless steel shim plate loose, skew pressures forcing plate to slide out. (NE seal appears to be broken - photo. 10/Dec/2008) Pier					
Temperature (deg. C)	18			bearings not accessible for closeup inspection.					
(Expansion Type : POT BEAR	·								
(Fixed Type : POT BEARING									
Coating Adequate (Y/N) Functioning (Y/N)				-					
	Yes	-							
Deck Underside	0	5	5						
Stains (Percent Area)	0								
Span Alignment Problems	No			Tunical also un procesure					
Vertical (Y/N)	No			Typical skew pressure.					
Horizontal (Y/N)	Yes								
Superstructure General Ratin	g	4	4						
			Subst	ructure					
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
Bearing Seats/Caps		6	6						
(Type : CONCRETE)			1						
Backwalls/Breastwalls			7						
Wingwalls			5	Medium vertical cracks along wingwalls. 200mm spall @ NW.					
Piles		N	N						
Paint/Coating		4	4	Peeling along wingwalls.					
Abutment Stability		8	8						
Scour/Erosion		X	X						
Piers/Bents									
(Type : PIER-COLUMN)									
Bearing Seats/Caps		X	X						
(Type : CONCRETE)	0.00			 					
(Total Number of Bearing Piles	: 0:0:0)			Narrow map cracks, typical.					
Pier Shaft/Piles		6	6						
Bracing/Struts/Sheathing		X	X						
Nose Plate		X	X						
Paint/Coating		6	6						
(Colour Description :)									
(Colour Code :)									
Pier Stability		8	8						
Scour		Х	Х						
Debris (Y/N)	No								
Substructure General Rating		6	6						

		S	Structu	re Usage
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		6	6	
Туре	Guardrail		_	
Slope Protection		6	6	
(Type: NATURAL; NATURAL)			_	
Bank Stability		8	8	
Drainage		7	7	
Grade Separation General Ratio	ng	6	6	

Bridge Inspection & Maintenance System (Web 2005)

		Maintenance	Recommend	ations					
Inspector Recommendations	Year	Inspector Comments		Department Comr	nents		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2012	Replace grout pads @ next rehab.							
GALVANIZE/PAINT BRIDGE RAIL									
SEAL CURBS									
PATCH DECK									
SEAL DECK									
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS		Remove chipseal and reweld loose NE.	e finger @						
RESET/ PAINT BEARINGS									
WASHING									
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROSI	ON								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION		2012 Investigate to determine condition of NE & SW bearings and if repairs are required.							
OTHER ACTION		Fill void @ SW drain trough/appro	ach slab.						
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)		5.6 Sufficiency Rating (Las	t/Now)	63.5/63.5	Est. Repl. Yr 2053		Maint. Re	qd. (Y/N)	Yes
Special Monitor cracks. Comments for Next Inspection				Department Comments			·		
Maintenance Reviewed By				Date		E	stimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name Kris B			Previous /	Assistant's Name					
Previous Inspector's Name	Kilo Dosielo								
Previous Inspector's Name Next Inspection Date	30-Apr-2014		Previous I	nspection Date	07-Oct-2010				
			Previous I	nspection Date	07-Oct-2010				