						В	ridge li	nspec	ction							
Bridge File Num	ber	78020 -1				Form Type			PSR							
Year Built/Year		1986/1986						Lot No.				2				
Supstr								Inspector Name				Wade Nanninga				
Bridge or Town I	Name							Inspector Class			BR CLS A					
Located Over 16:12 L1 0.074;16:12 R1 0.049;10 1OR 0.023					.049;16	5:12	C1-	Assi	Assistant Name							
Located On 22:30 R1 55.387;22:30 L1 55.385					55.385			Assistant Class								
Water Body Cl./Year									Inspection Date			10-Aug-2012				
Navigabil. Cl./Year							Data Entry By			Theresa Lacusta						
Legal Land Location SE SEC 20 TWP 53 RGE 7 W5N					7 W5M			Data Entry Date			22-Aug-2012					
Longitude, Latitude -114:59:16, 53:35:21								Reviewer Name			Eric Carcoux					
Road Authority Alberta Transportation (AIT)					Γ)			Review Date			21-Aug-2012					
Contract Main. A	Area	CMA12							Dept. Reviewer Name Dept. Review Date							
Clear Roadway/	Skew	17 / -42 c	deg. (LHF	-)				_			te	30-Aug-201	2			
AADT/Year		3,380 / 20						FOIIC	ow-Up E	Ву						
Road Classificat	ion	RAU-210	-110					-								
Detour Length (k	1	1		I												
Allowable Load (	(t): Sin	igle CS1	28		Semi	CS	S2 49			Train	CS	3 62		> On Crit	ical Spans Member	
Design Loading:	<u> </u>	MS3	300											> Primary		
						Po	sting l	nform	ation							
Required Vert. C	Clearan	ce Postin	g (m)	UNDER	: 16 L1	5.5r	m, 16 R	1 5.5n	n							
Posted Vertical (	Cleara	nce (Y/N)		Yes												
Posted: Lane	EB	On Br	ridge (m)	5.8 Ir	n Adva	nce (	(Y/N)	Yes	Lane	WB	0	n Bridge (m)	5.6	In Advanc	e (Y/N) Yes	
Remarks	6.1m	actual mea	asured cl	earance	on serv	/ice ı	road. 5.	6m on	servic	e road	d. Pos	ted clearanc	e sign:	s should not	exceed	
Required Load F			arice.	Single		Semi Truck Train										
Posted Loading		(1)		Single				Semi				Truck Train				
Posted:	Lane	NB		At Junction (Y/N)		NI)	No		In Advance (Y/N)		No	At Bridge (Y/N)		No		
Posted:	Lane	SB		At Junction (Y/N)			No		In Adva			No	At Bridge (Y/N)		No	
Remarks		quired.		7 10 0011100		-,			,		.,,	1.10	7 2	14.90 (1711)	1.10	
Hazard Marker A			Yes													
Remarks	,	90 (1,11)		corner o	nlv. No	t to s	standard	d heial	ht/locat	ion.						
Other Sign Type	:S			tion, War												
<u> </u>						Ut	ilities (l	Locat	ed at)							
Utility Attachmer	nts															
Telephone								Gas								
Power	Street	lights.						Mun	icipal							
Others								Prob	olem (Y	/N)	No					
Remarks							Δ									
						ast	Approa Now		Explanation of Condition							
Horizontal Alignr	ment				L	<u>.αsι</u> 6	6		On/off ramps.							
Vertical Alignme						6	6	Cres	On/off ramps. Crest curve with limited sight distance.							
Roadway Width			11.000													
Approach Bump			7	7												
Guardrail (Y/N) Yes					Insu	Insufficient posts, not thrie beam transition.										
Guardrail				7	7		•									
Length (m)			99.000													
Current Standa	ard (Y/	N)	No													
Termination Ty			Turned	Down												
Drainage						6	4	Side	s spalle	ed on	SE do	own drain. V	oid for	ming (200mi	m) @ SE.	
Approach Road	l Gana	ral Datine	n			6	6									
дриолен коло	Jene	iai Katiii(	9			0	0									

	Primary Span : PB, 3 Spans, Lengths(m): 3 Special Features Special Feature  (Type : ) Special Feature  (Type : ) Vearing Surface/Deck Top Detail Ratings N (%) 1 (%) 2 (Material Type : ACP - CONVENTIONAL CONTENTIONAL CONTENTION					tructure		
Bridge Com	onent				Last	Now	Explanation of Condition	
(Primary Spa	n : <b>PB, 3 Spa</b>	ns, Ler	ngths(r	n): 38-38-38,	A-Iden	t Numb	er: )	
Special Feat	ures							
Special Featu	ıre					X		
Special Feature (Type:)  Wearing Surface/Deck Top Detail Ratings  N (%) 1 (%) 2 (%)  Last Now  Wearing Surface (Material Type: ACP - CONVENTIONAL CHIP (Thickness(mm): 90)  Lateral Connection Problem (Y/N)  Deck Top  Deck Rideability  Deck Joints  Temperature (deg. C) 24 (Expansion Type: FINGER PLATES) (Fixed Type:)  Gap Size (mm) Gap Location 90 N. abut 110 S. abut  Deck Drainage Drains Clogged (Y/N) No  Curbs/Median (Curb Type: Standard) Scaling (Percent Area) 0  Bridge Rail (Type: GALVANIZED STEEL BRIDGE TUBE) Bridge Rail/Posts Coating (Type: GALVANIZED)  Sidewalk  Girder Detail Ratings								
Special Feat	ıre					X		
(Type:)								
Wearing Surf	ace/Deck Top	Detail	Ratings	3				
	N (%)	1 (%)		2 (%)	3 (%)			
Last								
Now								
Wearing Surf	ace				6	6	ACP cracks sealed.	
(Material Ty	/pe : <b>ACP - C</b>	ONVEN	NTIONA	L CHIP SEA	L COA	Γ)		
(Thickness	(mm) : <b>90</b> )							
	ection Probler	m	No					
Deck Top					N	N		
Deck Rideab	ility				7	7		
Deck Joints					4	4	Joints allow runoff over top of trough @ NW & SE corners	
Temperatu	Special Feature  (Type:) Special Feature  (Type:)  Vearing Surface/Deck Top Detail Ratings  N (%) 1 (%) 2 (%)  Last  Now  Vearing Surface  (Material Type: ACP - CONVENTIONAL CHIP: (Thickness(mm): 90)  Lateral Connection Problem Y/N)  Deck Top  Deck Rideability  Deck Rideability  Deck Joints  Temperature (deg. C) 24  (Expansion Type: FINGER PLATES)  (Fixed Type:)  Gap Size (mm) Gap Location  N. abut  10 S. abut  Deck Drainage  Drains Clogged (Y/N) No  Curbs/Median  (Curb Type: Standard)  Scaling (Percent Area) 0  Bridge Rail  (Type: GALVANIZED STEEL BRIDGE TUBE)  Bridge Rail Posts  (Type: GALVANIZED POST STEEL;GALVANI; STEEL)  Bridge Rail/Posts Coating  (Type: GALVANIZED)  Sidewalk  Sirder Detail Ratings  N (count) 1 (count) 2 (count)  Last					deteriorating wingwalls. Fingers aren't centered from skew pressure. Minor deterioration along paving lip.		
(Expansion	Type: FINGI	ER PLA	TES)				Fingers clogged with chipseal.	
(Fixed Type	e:)							
Temperature (deg. C) 24  (Expansion Type : FINGER PLATES)  (Fixed Type : )  Gap Size (mm) Gap Location N. abut								
90	Primary Span : PB, 3 Spans, Lengths(m): 38-3 Special Features Special Feature (Type : ) Special Feature (Type : ) Vearing Surface/Deck Top Detail Ratings  N (%) 1 (%) 2 (%)  ast  N (Warring Surface (Material Type : ACP - CONVENTIONAL CHII (Thickness(mm) : 90)  acterial Connection Problem (Yn)  Deck Top  Deck Rideability  Deck Joints  Temperature (deg. C) 24  (Expansion Type : FINGER PLATES) (Fixed Type : )  Gap Size (mm) Gap Location  N . abut  S. abut  Deck Drainage  Drains Clogged (Y/N) No  Deck							
110			S. abı	ut				
90 N. abut								
	Temperature (deg. C)  (Expansion Type : FINGER PLATES)  (Fixed Type : )  Gap Size (mm)  O  N. abut  S. abut  Deck Drainage  Drains Clogged (Y/N)  No							
Deck Drainag	je				4	4	Trough spillage deteriorating NW and SE wingwalls. On a crest	
Drains Clog	ged (Y/N)		No				curve. (Birdbath @ S2 gutter, West side near North abutment. 06/Dec/2008) Trough has scaling rust at abutments.	
Curbs/Media	n				5	5	Plow scrapes. Some transverse, longitudinal cracking on east curb,	
(Curb Type	: Standard)						one spot spalled. Transverse wide cracking intermitent on median. Curbs, median covered in dirt. Median curb is spalled at a few	
Scaling (Pe	rcent Area)		0				locations.	
Bridge Rail					8	8	Missing cap @ NW, 2nd post. Several posts with insufficient thread.	
(Type : GA	LVANIZED S	TEEL B	RIDGE	TUBE)				
Bridge Rail P	osts				4	4		
(Type : GA		OST ST	TEEL;G	ALVANIZED	POST			
	osts Coating				7	7		
					X	Х		
Girder Detail	Patings							
Silder Detail		1 (00)	ınt)	2 (count)	3 (co.	ınt)		
				Z (Godini)	3 (60)	urit)		
					5	5	Slight high load damage WBL, not serious. Minor high load damage	
	(/NI)		No		3	J	above L.R. all girders.	
	•						-	
			U					
THURST OF C	JIIUUUS . <b>Y</b> )							

			Suners	tructure						
Bridge Component				Explanation of Condition						
(Primary Span : PB, 3 Spans,	Lengths(m): 38-38-3									
Diaphragms/Cross Frame	<u> </u>	6	6	Diagonal medium cracks, probably because of skew.						
Bearings		7	7	Difficult to view due to height of abutments.						
Temperature (deg. C) 24				Difficult to view due to fielght of abutifierts.						
(Expansion Type : <b>POT BEA</b>										
(Fixed Type : )	araito)									
Coating Adequate (Y/N) Yes										
Functioning (Y/N)	Yes									
Deck Underside		7	7	Narrow cracks between deck and end diaphragm with leaching						
Stains (Percent Area)	0	- /	1	stains.						
Span Alignment Problems	U									
Vertical (Y/N)	No			Normal twist due to skew pressures.						
Horizontal (Y/N)	Yes			Normal twist due to skew pressures.						
ì i		-	-							
Superstructure General Rati	ng	5	5							
			Subst	ructure						
Bridge Component		Last	Now	Explanation of Condition						
Abutments			_							
Bearing Seats/Caps		7	7	Hairline to narrow vertical cracks.						
(Type : CONCRETE)			_							
Backwalls/Breastwalls		7	5	Breastwall visible only. Med crack with efflourescence staining @ NW.						
Wingwalls			5	Wingwalls are cracking. NW wing is staining from water coming through the joint. NE wingwall bows outward. NW wing bows inward. MSE walls.						
Piles			N							
Paint/Coating		5	5	Peeling @ wingwalls.						
Abutment Stability		7	7							
Scour/Erosion		Х	4	Void under NW SW panels.						
Piers/Bents		,								
(Type : PIER-SOLID)				Both caps have narrow diagonal cracking from center bearing.						
Bearing Seats/Caps		6	6							
(Type : CONCRETE)										
(Total Number of Bearing Piles	s : <b>0:0</b> )									
Pier Shaft/Piles		7	7							
Bracing/Struts/Sheathing		Х	Х							
Nose Plate		Х	Х							
Paint/Coating		5	5	Peeling South pier.						
(Colour Description : )				Grey.						
(Colour Code : )										
Pier Stability		8	8							
Scour		Х	X							
Debris (Y/N)	No									
Substructure General Rating	3	6	6							

		5	Structu	re Usage					
		Last	Now	Explanation of Condition					
Grade Separation									
Road Alignment			8						
Traffic Safety Features			4	Lights attached to pier caps. 2 missing covers.					
Туре	Guardrail/Lights			Minor dents in flexbeams WBL, still functional.					
Slope Protection		4	4	Void under NW & SE panels. Panels heaved due to abutment					
(Type : CONCRETE; CONCRE	TE)			drainage. Typical NW & SE.					
Bank Stability			7						
Drainage			7						
Grade Separation General Rati	ng	4	4						

			Maintenance Reco	mmend	ations					
Inspector Recommendations	Ye	ear	Inspector Comments		Department Comr	nents	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	20	)12	Replace missing post top cover.							
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/EROS	ION									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION		)12	Review if posted VC should be revised match "required" VC.	to						
OTHER ACTION		)12	Replace light covers.							
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 61	1.1/61.	Sufficiency Rating (Last/Nov (%)	w) 5	8.8/58.6	Est. Repl. Yr	2040	Maint. Red	qd. (Y/N)	Yes
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 Kris		ers	Pr	revious A	Assistant's Name					
Next Inspection Date 10-I		:014	Pr	revious I	s Inspection Date 05-Oct-2010					
Inspection Cycle (Default) (months)	21									
Comment										