						:	Bridge I	nspe	ction							
Bridge File Numb	ber	75066 -1 Bridge						Form Type			PSR					
Year Built/Year		1980/1980					Lot No.									
Supstr							Inspector Name				Wade Nanninga					
Bridge or Town N								Insp	pector C	Class		BR CLS A				
Located Over		2:32 L1 5.154;2:32 R1 5.172						Ass	sistant N	lame						
Located On		25108:02	2 L1 0.50	7;25108	:02 R1 (	0.50	5	Ass	sistant C	lass						
Water Body CI./Y								Insp	pection	Date		25-Apr-2013				
Navigabil. Cl./Ye								Dat	a Entry	Ву		Lisa Fairhurs	t			
Legal Land Loca			; 14 TWP		25 W4	V4M			a Entry	Date		03-May-2013				
Longitude, Latitude -113:33:01, 53:18:31					Reviewer Name			lame								
Road Authority Alberta Transportation (AIT)			T)			Rev	/iew Da	te								
Contract Main. A		CMA11						Dep	ot. Revie	ewer N	ame					
Clear Roadway/S		18.9 /						Dep	ot. Revi	ew Date	e					
AADT/Year		1,000 / 2	. ,					Fol	ow-Up	Ву						
Road Classificati	-	RAU-213	3.4-120					-								
Detour Length (k		5														
Allowable Load (	t): Sing	gle CS1	28		Semi	C	S2 49			Train	CS	3 62		> On Crit	ical Spa Member	ns
Design Loading:		MS	230											>Critical Member > Primary Span		
Doolgin Loading.		WICZ	_00			Po	osting I	nforr	nation						Opun	
Required Vert. C	learan	ce Postin	ıg (m)	UNDE	R: 2 L1 :											
Posted Vertical C				Yes												
	NB		ridge (m)	5.4	In Adva	nce	(Y/N)	Yes	Lane	SB	0	n Bridge (m)	5.5	In Advanc	e (Y/N)	Ye
Remarks																
Required Load Posting (t) Single								Semi			Truc	< Train				
Posted Loading (		( )		Single					Semi			Truck Train				
			ction (Y/	n (Y/N) No		In Advance (Y/N)			At Bridge (Y/N)		No					
	Lane	WB			· · ·		No					idge (Y/N)	No			
		WB At Junction (Y/N) No equired.				1				,			<u> </u>			
Hazard Marker A			No													
Remarks		<u> </u>	Not req	uired.												
Other Sign Type:	s			ation, Wa	arnina.											
e lier eight type						Ut	ilities (	Loca	ted at)							
Utility Attachmen	nts TE	LEPHO	NE UTILI	TIES-PH	IONE LI											
	North.							Gas	5							
		O/H 60	m North c	of bridae				Municipal								
	Lightin								blem (Y	(/N) N	lo					
Remarks	5	•														
							Approa	ich R	oad							
					L	_ast			olanatic	on of C	ondit	tion				
Horizontal Alignment						7	7	Typical overpass merge and exit lanes. Crest curve over Hwy 2.						2.		
Horizoniai Alighi	Vertical Alignment					6	6	4 la	nes.							
	Roadway Width (m) 20.100															
Vertical Alignme						4	6									
Vertical Alignmer Roadway Width																
Vertical Alignmer Roadway Width Approach Bump			Yes													
Vertical Alignmer Roadway Width Approach Bump Guardrail (Y/N)						5	5	No	thrie he	am						
Vertical Alignmer Roadway Width Approach Bump Guardrail (Y/N)							5	No	thrie be	am						
Vertical Alignmen Roadway Width Approach Bump Guardrail (Y/N) Guardrail	(m)	J)	Yes				5	No	thrie be	am						
Vertical Alignmen Roadway Width Approach Bump Guardrail (Y/N) Guardrail Length (m)	(m) ard (Y/ľ	J)	Yes 50.000	Down			5	No	thrie be	am						
Vertical Alignmer Roadway Width Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Standa	(m) ard (Y/ľ	۹)	Yes 50.000 No	Down			5	(Co	ncrete	drain tr	ough er ap	@ SW cornel proach slab -	r pulle phote	ed away 50n o Jul/2011	nm allow )	ing

		Superstructure								
Bridge Com	ponent			Last	Now	Explanation of Condition				
(Primary Spa	an : PB, 4 Spai	ns, Lengths	m): 45.1-45.1-	45.1-45	.1, A-lo	dent Number: )				
Special Feat	ures									
Special Feat	ure				Х					
(Type : )										
Special Feat	ure				Х					
(Type : )										
Wearing Surf	ace/Deck Top	Detail Rating	ļs							
	N (%) 1 (%) 2 (%)			3 (%)						
Last	0	0	0	8	30					
Now	0.0	0.0	0.0	C	).0					
Wearing Surf	face			3	5	HDC deck.				
(Material Ty COAT)	ype : CONCRE	ETE - CONV	ENTIONAL CH	IP SEA	L	Peeling @ joints - photo. Approx 5m2				
(Thickness	(mm) : <b>50</b> )									
	ection Problen	n No								
Deck Top				N	N					
Deck Rideab	ility			6	6					
Deck Joints				5	6					
Temperature (deg. C) 19					0	-				
	n Type : <b>FINGE</b>					-				
(Fixed Type						-				
Gap Size (mm) Gap Location						-				
120 W. abutment										
135 E. abutment						-				
155		L. ai	Jument			-				
						-				
						-				
						-				
Deck Drainag	A			4	4	Corners of plumbing drain joint corroding, staining abutment - photo.				
Drains Clog	-	No			4	NW corner is worstphoto				
	ggeu (1/1 <b>v</b> )					PVC plumbing @ SW corner removedphoto Drip sheet corroded at all four corners. SE corner has hole in drainphoto				
0 1 11 11						Concrete around drains has wide cracks at most cornersphoto				
Curbs/Media				4	4	Typical vertical narrow crack on exterior of curb. All posts with stains. 400mm long spall under curb above curtain wall @ SE corner(photo)				
	: Standard)	40				several spalled areas on N curb-photo				
	ercent Area)	10								
Bridge Rail				7	7	-				
	LVANIZED ST	IEEL BRIDG	E TUBE)		_	-				
Bridge Rail P				7	7	-				
(Type : GA STEEL)	LVANIZED PC	JST STEEL;	GALVANIZED	POST						
Bridge Rail/P	osts Coating			7	6	1				
	LVANIZED)					1				
Sidewalk				Х	X					
Girder Detail	Ratings									
	N (count)	1 (count)	2 (count)	3 (cou	unt)					
Last						1				
Now	0	0	0		0					

Alberta Transportation

			Supers	tructure		
Bridge Component				Explanation of Condition		
(Primary Span : PB, 4 Spans	, Lengths(m): 45.1-45	.1-45.1-45	.1, A-Id	lent Number: )		
Girders		5	5	High load damage. S1G4 ext over accel lane of Hwy 2 SB. S4G1 ext		
Cracking (Y/N) Yes Spalling (Percent Area) 0				over Hwy 2 NB & travel lane, chips. Longitudinal narrow cracks on exterior fascia of curb girders only at end blocks and extending into		
				girder approx 1.5 m from bolt.		
(Number Of Girders : 16)						
Diaphragms/Cross Frame		6	6	Diagonal cracks in end blocks @ East abutment, typical.		
Bearings		5	5	Looks ok from ground using binoculars.		
Temperature (deg. C)	5					
(Expansion Type : POT BE	ARING)					
(Fixed Type : POT BEARIN	IG)					
Coating Adequate (Y/N)	Yes					
Functioning (Y/N)	Yes					
Deck Underside		6	6	Water staining on deck underside. Hairline transverse cracks every		
Stains (Percent Area)	2			est 3.0m with leaching.		
Span Alignment Problems						
Vertical (Y/N)	No					
Horizontal (Y/N)	No					
Superstructure General Rat	ting	5	5			
•	-					
Bridge Component		Last	Now	Explanation of Condition		
Abutments		7	7			
Bearing Seats/Caps		7	7			
(Type : CONCRETE)		0	-			
Backwalls/Breastwalls		6	5	Med map cracking.		
Wingwalls		5	5			
Piles		N	N			
Point/Cooting		E	E	Dealing @ SE corner around plumbing		
Paint/Coating		5	5	Peeling @ SE corner around plumbing.		
Abutment Stability		8	8			
Scour/Erosion		4	4	Erosion along North side of West headslope undermining slope protection photo.		
				protection proto.		
Piers/Bents						
(Type : <b>PIER-SOLID</b> )				Hairline random cracks at ends of caps.		
Bearing Seats/Caps		6	6			
(Type : CONCRETE)						
(Total Number of Bearing Pile	es : 0:0:0)			2 shafts/pier.		
Pier Shaft/Piles		6	6	Small chips on corner of legs.		
Bracing/Struts/Sheathing		X	Х			
Nose Plate		X	X			
Paint/Coating		7	7	Beige.		
(Colour Description : )		1	/			
(Colour Codo · )						
(Colour Code : )		0	0			
(Colour Code : ) Pier Stability		8	8			

			Subst	ructure				
Bridge Component		Last	Now	Explanation of Condition				
Debris (Y/N)	No							
Substructure General Rating			6					
		S	Structu	re Usage				
		Last	Now	Explanation of Condition				
Grade Separation								
Road Alignment		7	7					
Traffic Safety Features	Traffic Safety Features		7					
Туре	Guardrail							
Slope Protection		4	4	East side pulled apart 230mm between 1 & 2 section at top - photo.				
(Type : CONCRETE; CO				Void under top slab. West side pulled apart 100mm between 1 & 2 sections at top.				
Bank Stability			6					
Drainage			4	Water ponding at base of West & East headslope - photo.				
Grade Separation General	Rating	4	4					

		Maintenance Recommend	lations					
Inspector Recommendations	Year	Inspector Comments	Department Com	ments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL								
GALVANIZE/PAINT BRIDGE RAIL								
SEAL CURBS								
PATCH DECK								
SEAL DECK								
OVERLAY DECK								
REPAIR/REPLACE DECK JOINTS	2013	Replace drainage plumbing spout @ NW, SW corners. Repair corroding plumbing @ SE corner.						
RESET/ PAINT BEARINGS								
WASHING								
SHOTCRETE REPAIRS								
REPAIR ABUTMENT SCOUR/EROSION	2013	Repair broken/settled concrete slope protection at East headslope & fill/seal gap @ West headslope.						
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
OTHER ACTION	2013	Regrade ditch @ base of West & East headslope to prevent ponding.						
OTHER ACTION	2013	Determine if posted vertical clearance should be lower than "required" noted, change signs as necessary.						
OTHER ACTION	2013	Fill gap between drain trough and approach slab @ SW corner - if not done.						
OTHER ACTION	2013	Repair erosion along West headslope.						
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/Now) (%)	61.1/61.	1 Sufficiency Rating (Last/Now) (%)	49.0/56.5	Est. Repl. Yr	2050	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection	ect bearings.		Department Comments					
Maintenance Reviewed By	Maintenance Reviewed By					stimated Total	0	
Proposed Long-Term Strategy			Date				1	
On 3-Year Program (Y/N)								

Proposed Action			
Previous Inspector's Name	Shane Hall	Previous Assistant's Name	
Next Inspection Date	25-Jan-2015	Previous Inspection Date	15-Jul-2011
Inspection Cycle (Default) (months)	21		
Comment			