						В	ridge lı										
Bridge File Number 75315 -1 Bridge						Form Type					SG						
Year Built/Year 1961/1961 Supstr							Lot No.					2					
Bridge or Town Name HEINSBURG												Wade Nanninga					
Located Over NORTH SASKATCHEWAN RIV						R. 6.			Inspector Class		BR CLS A						
		WATERO				., 0,		Assistant Name									
Located On		893:06 C	1 19.501					Assistant Class			14 Dec 2012						
Water Body Cl	./Year							Inspection Date Data Entry By			14-Dec-2012						
Navigabil. Cl./	Year											Theresa Lacusta					
Legal Land Location NE SEC 21 TWP 55 RGE 4 W4M					4 W4M				Entry D			15-Jan-2013					
Longitude, Lat	itude	-110:32:0										Eric Carcoux					
Road Authority	/	Alberta T	ransporta	ation (Al	T)			Review Date			09-Jan-2013						
Contract Main.	Area	CMA15						Dept. Reviewer Name Dept. Review Date									
Clear Roadwa	y/Skew	8.5 /				F						18-Jan-2013	3				
AADT/Year		600 / 201	1 (A)						w-Up By								
Road Classific		RCU-209	9-110					_									
Detour Length	<u> </u>	50															
Allowable Load	d (t): Sin		71 DER	Semi			S2 76 RDER		T	ain		3 79 RDER		> On Criti	cal Spans /lember		
Design Loadin	g:	HS2	:0									> Primary	Span				
						Po	sting l	nform	ation								
Required Load	Posting	(t)		Single					Semi			Truck Train					
Posted Loadin	g (t)			Single					Semi			Truck Train					
Posted:	Lane	NB At Junction		tion (Y/I	N)	No	1	n Advan	ce (Y/	N)	No	At Bridge (Y/N)		No			
Posted:	Lane	SB At Junction (Y		tion (Y/I	N)	No	In Advance (ce (Y/	N)	No	At Bridge (Y/N)		No			
Remarks																	
Hazard Marke	r At Brid	ge (Y/N)	Yes														
Remarks Not to std height/locat					t/locatio	n.											
Other Sign Typ	bes																
							ilities (L	Locate	ed at)								
Utility Attachm		ELEPHON	NE UTILI	TIES-PH	IONE LI	NE											
Telephone	West/	East r/w															
Power	1 wire) NE							cipal								
Others	F.O @	2 NE						Prob	lem (Y/N	l) N	2						
Remarks																	
							Approa			~	بالح م	len					
Horizontal Alia	nmont				L	ast 5	Now 5	-	anation								
Horizontal Alig						-	5	Horizontal curves each end. Access road into Heinsburg 45m to NE.									
Vertical Alignm	ient					5	5	Stee	Steep grades both sides.								
Roadway Width (m) 9.600							(Pot hole developing @ north approach slab. May 25, 2006)						2006)				
Approach Bum	р		_			5	5	-									
Guardrail (Y/N) Yes			Yes					2 bro	ken pos	ts @ \$	SW (corner.(photo)				
Guardrail (Y/N	Guardrail				4	4	2 broken posts @ NE.										
	Length (m) 38.000							_									
Guardrail		Current Standard (Y/N) Yes															
Guardrail Length (m)	dard (Y/	N)	Yes														
Guardrail Length (m)		N)	Yes Turned	Down													
Guardrail Length (m) Current Stan		N)		Down		6	6										

Alberta Transportation

tion 180-01) ent guide bars have broken welds. Bronze May 25, 2006) Is "3" rating. ge 2.
ant guide bars have broken welds. Bronze May 25, 2006) Is "3" rating.
ent guide bars have broken welds. Bronze May 25, 2006) Is "3" rating.
May 25, 2006) Is "3" rating.
May 25, 2006) Is "3" rating.
ge 2.
1
bear onto finger, are worn or mushroomed.
eck joints are loose. There are no deck joints
2006)
@ A1 & A2 under traffic.
as partially failed.(photo)-07-Oct-2009
unevenphoto er than North.
st near SE corner. Medium scaling on curb
panels.
aphrams / cross brace rated "3" in October,
have cracks.
lds, bottom lateral gusset welds, long. acks. Oct. 17/05)
supports are rusting with loss of section. oto)
stiffener weld cracks.) Oct. 17/05

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			Supers	tructure
Bridge Component		Last		Explanation of Condition
(Primary Span : WG, 5 Spans	s, Lengths(m): 72	2.2-79.2-85.3-7		2, A-Ident Number: A0380-01)
Paint Condition		5	5	Dark brown.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		5	5	Missing anchor bolt nuts at all abutment bearings.
Temperature (deg. C)	-13			
(Expansion Type : ROCKE	R BEARING)			
(Fixed Type :)				
Coating Adequate (Y/N) Yes				
Functioning (Y/N)	Yes			
Deck Underside		4	4	South end has greater frequency of cracks are stained exposing
Stains (Percent Area)	1			rebar.
				Isolated staining at hangers.
				Concrete spalls @ H2,H3,H4.(photo)-2 300mm chunks of concrete fallen from deck neat AZ @ NE corner.
				Tallen from deck neat AZ @ NE corner.
Span Alignment Problems	Nic			
Vertical (Y/N)	No			-
Horizontal (Y/N)	No			
Superstructure General Rat	ing	4	4	
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments			-	
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
Backwalls/Breastwalls		5	5	Med vertical ck full height @ A2.
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-SOLID)				Piers 1 & 4 West side have one vertical crack.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Pile	es : 0:0:0:0)			
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		Х	Х	
Nose Plate		7	7	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		8	8	

Substructure											
Bridge Component			Now	Explanation of Condition							
Debris (Y/N)	No										
Substructure General Rating		6	6								
Structure Usage											
		Last	Now	Explanation of Condition							
Channel											
(U/S Direction : W)				Sloughing embankment @ NW, not affecting structure.							
(D/S Direction : E)											
Alignment		8	8								
Bank Stability		8	4								
HWM (m below Top of Curb)	30.0			(HWM survey stake at South headslope - 2003). Not apparent.							
Drift (Y/N)	No										
Slope Protection		7	7								
(Type : NATURAL; NATURA	L)										
Guidebank/Spurs			Х								
Adequacy of Opening		8	8								
(Fish Compensation Measure 1	: NONE)	1									
(Fish Compensation Measure 2	: NONE)										
Channel General Rating		7	4								

Maintenance Recommendations												
Inspector Recommendations			Year Inspector Comments				Department Comr	ments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL												
GALVANIZE/PAINT BRIDGE RAIL												
RETROFIT BRIDGE RAIL												
SEAL CURBS												
PATCH DECK			013	Fill potho	le @ hinge 2.							
SEAL DECK												
OVERLAY DECK												
REPAIR/REPLACE DECK JOINTS			013	Repair de done.	eck joint membrane at	t hinge 3, if not						
RESET/ PAINT B	EARINGS											
REPAINT SUPER	STRUCTURE											
STRAIGHTEN/RE	PLACE MEMBERS											
WASHING												
SHOTCRETE RE	PAIRS											
REPAIR ABUTME	NT SCOUR/EROSIO	NC										
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT	ACCUMULATION											
OTHER ACTION		20	013	Reset Ha	zard Markers.							
OTHER ACTION		20	013	Repair broken GR posts.(4)								
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)			5.6/55.0	i.6 Sufficiency Rating (La (%)		Last/Now)	61.9/58.6	Est. Repl. Yr	2056	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection Monitor for irregulatities in bottom flange bracing due to crack in welds. Monitor longitudinal stiffener splices, look for indication of cracks in web. Monitor deck spalling at hinge locations. Monitor loss of section due to corrosion in top flange. Department Comments												
Maintenance Reviewed By							Date		E	Estimated Total	0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Arno			ssenhe	imer		Previous	Assistant's Name					
Next Inspection D		14-Mar-2	2016				Assistant's Name Shane Hall Inspection Date 07-Oct-2009					
Inspection Cycle		39										
Comment												