						В	ridge in	spection						
Bridge File Number 71054 -1 Bridge						Form Type				PSR				
Year Built/Year		1959/195	59					Lot No.			2			
Supstr Bridge en Teurs	Nem							Inspector Name			Brian Pientsch			
Bridge or Town	Name				0 4 0 5 0	40.0		Inspector Class		BR CLS A				
Located Over		BEAVER		RIVER, a	8.10.58.	18.8	5.1,	Assistant Name						
Located On		722:02 C						Assistant Class						
Water Body Cl.	/Year							Inspectio	n Date		24-Jun-2010)		
Navigabil. Cl./Year								Data Entry By			Jill Potts			
Legal Land Location SE SEC 34 TWP 71 RGE 10 W6				10 W6N	1		Data Entry Date			13-Oct-2010)			
Longitude, Latitude -119:26:15, 55:11:22				Reviewer Name				Arnold Asse	nheim	er				
Road Authority		Alberta T			T)			Review D	ate		16-Sep-201	0		
Contract Main.	Area	CMA05		<u> </u>	/			Dept. Re	viewer N	lame	Steve Pasq	Jan		
Clear Roadway		7.3/						Dept. Re	view Da	te	22-Nov-201	0		
AADT/Year		960 / 201	I0 (A)					Follow-U	о Ву					
Road Classifica	ation	RCU-209												
Detour Length (3												
Allowable Load	<u> </u>	-	44		Semi	CS	62 48	1	Train	CS	3 62		> On Criti	cal Spans
			DER				RDER						>Critical Member	
Design Loading	:	HS2	20										> Primary	Span
De muine de la cad	Destine	(1)		0. 1		Po	sting In	formatio			40	- I	. .	
Required Load		(t)		Single				Sem			49	Truck Train		
Posted Loading		ND		Single	· · · · · · · ·			Semi				Truck Train		
Posted:	Lane	NB			tion (Y/I	-	No	In Advanc					idge (Y/N)	No
Posted:	Lane	SB		At Junc	tion (Y/I	N)	No	In Advance (Y/N)		No	At Bridge (Y/N)		No	
Remarks		quired.												
Hazard Marker	At Brid	ge (Y/N)	Yes											
Remarks			Incorrec	t height										
Other Sign Typ	es													
						Uti	ilities (L	ocated at						
Utility Attachme														
Telephone	SW r/							Gas						
Power		East side						Municipa						
Others	Stream		g station.	Environr	nent Ca	nada	a @ SE	Problem	(Y/N)	No				
Remarks														
							Approa	ch Road						
					L	ast	Now	Explanat	ion of C	ondi	tion			
						5	5	Curve 10	0m Nort	h, driv	eway at SW	corne	r	
Horizontal Aligr	nment					8	8							
Horizontal Aligr														
Vertical Alignm	ent		9.200											
Vertical Alignmo Roadway Width	ent n (m)		9.200			7	7							
Vertical Alignm Roadway Width Approach Bum	ent n (m) p		9.200 Yes			7	7	Accident	damage	SW	corner.			
Vertical Alignm Roadway Width Approach Bump Guardrail (Y/N)	ent n (m) p					7 N	7	Accident	damage	SW	corner.			
	ent n (m) p							Accident	damage	SW	corner.			
Vertical Alignm Roadway Width Approach Bum Guardrail (Y/N) Guardrail Length (m)	ent n (m) p	N)	Yes					Accident	damage	SW	corner.			
Vertical Alignm Roadway Width Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Stand	ent n (m) p dard (Y/	N)	Yes 15.200	own				Accident	damage	SW	corner.			
Vertical Alignm Roadway Width Approach Bum Guardrail (Y/N) Guardrail Length (m)	ent n (m) p dard (Y/	N)	Yes 15.200 Yes	own				Accident	damage	SW	corner.			

							tructure
Bridge Comp	onent				Last	Now	Explanation of Condition
(Primary Spar	n : PO, 1 Spa	ns, Le	ngths(r	n): 30.5, A-Ide	ent Nur	nber:)	
Special Featu	ures						
Special Featu	re				8	8	
(SType : EX	T SHEAR ST	IRRU	P)			_	
Special Featu	re					Х	
(Type :)							
Wearing Surfa	ace/Deck Top	Detail	Rating	6			
	N (%)	1 (%)		2 (%)	3 (%)		
Last	100						
Now							
Wearing Surfa	ace			1	N	5	Ice lug damage from track machine.
		ETE - (CONVE	NTIONAL CH		-	
(Thickness(mm) : 50)						
Lateral Conne (Y/N)	ection Problen	n	No				
Deck Top					N	N	
Deck Rideabil	lity				8	7	
Deck Joints					3	3	Moisture appears to be leaking around the concrete blockouts for the
Temperatur	e (deg. C)		24				joint paving lips. Underside of deck joints spalling.
(Expansion	Type : SLIDI	NG PL	ATES)				
(Fixed Type	: BUFFER A	NGLE	S)				
Gap Size (n	nm)		Gap L	ocation			
76			South	abutment - A	1		
78			North	abutment - A2	2		
Deck Drainag	٩				4	4	Leaking onto cap causing scaling - photo.
Drains Clog			No			-	Leaking onto cap causing scaling - photo.
Ť	č , , ,		INU		NI	- r	Madium applian plana incide such face
Curbs/Median					N	5	Medium scaling along inside curb face.
	: Standard)		40				
Scaling (Per	rcent Area)		10			_	
Bridge Rail					4	4	Not continuous over abutments and not connected to parapits. Anchor bolts not torqued adequately, appears to be damaged/rusted
	VANIZED ST	FEEL E	BRIDGE	E TUBE)			threads.
Bridge Rail Po					7	4	
(Type : GAL STEEL)	VANIZED PC	DST S	TEEL;G	ALVANIZED	POST		
Bridge Rail/Po	acto Cooting				7	7	
					1	1	
(Type : GAL	VANIZED)				N	×	
Sidewalk					X	X	
Girder Detail F	Ratings						
	N (count)	1 (co	unt)	2 (count)	3 (cou	unt)	
Last							
Now							
Girders					7	7	
Cracking (Y	/N)		No				
Spalling (Pe	· · ·		0				
	Girders : 5)						

Alberta Transportation

Bridge ComponentLastNow(Primary Span : PO, 1 Spans, Lengths(m): 30.5, A-Ident Number:)Diaphragms/Cross Frame77Diaphragms/Cross Frame777Bearings7575Temperature (deg. C)24	tructure Explanation of Condition Exterior girder bearing severe rusting. Exterior girder bearing of abutment 1 cap at East & West corners.
Diaphragms/Cross Frame77Bearings75Temperature (deg. C)24(Expansion Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN)Image: Steel Stee	
Bearings75Temperature (deg. C)24(Expansion Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN)(Fixed Type : PINNED BEARING)Coating Adequate (Y/N)NoCoating Adequate (Y/N)NoFunctioning (Y/N)YesDeck Underside777Stains (Percent Area)0JSpan Alignment ProblemsVertical (Y/N)NoVertical (Y/N)NoJHorizontal (Y/N)NoJSuperstructure General Rating75Bridge ComponentLastNowAbutmentsBearing Seats/Caps43(Type : CONCRETE)Backwalls/Breastwalls65WingwallsN65WingwallsXXAbutment Stability77Scour/Erosion77	ructure Explanation of Condition Extensive concrete spalling of abutment 1 cap at East & West
Temperature (deg. C)24(Expansion Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN)(Fixed Type : PINNED BEARING)(Fixed Type : PINNED BEARING)Coating Adequate (Y/N)NoFunctioning (Y/N)YesDeck Underside77Stains (Percent Area)00Span Alignment ProblemsVertical (Y/N)NoHorizontal (Y/N)NoHorizontal (Y/N)NoSuperstructure General Rating75Bridge ComponentLastNowAbutmentsULastNowAbutments5Signalis/Breastwalls65WingwallsN65Signalis/Breastwalls77Paint/CoatingXXAbutment Stability77Scour/Erosion7777Piers/Bents7777	ructure Explanation of Condition Extensive concrete spalling of abutment 1 cap at East & West
Image: STEEL SLIDING PLATES WITH BRONZE(Expansion Type : STEEL SLIDING PLATES WITH BRONZEPLATE IN BETWEEN)(Fixed Type : PINNED BEARING)Coating Adequate (Y/N)NoFunctioning (Y/N)YesDeck Underside7Stains (Percent Area)0Span Alignment Problems0Vertical (Y/N)NoHorizontal (Y/N)NoSuperstructure General Rating7Sridge ComponentLastAbutmentsBearing Seats/Caps43(Type : CONCRETE)Backwalls/Breastwalls6SingwallsNPilesNPilesXAbutment Stability7Scour/Erosion7Fiers/Bents	Explanation of Condition Extensive concrete spalling of abutment 1 cap at East & West
(Fixed Type : PINNED BEARING)Coating Adequate (Y/N)NoFunctioning (Y/N)YesDeck Underside7Stains (Percent Area)0Span Alignment ProblemsVertical (Y/N)Vertical (Y/N)NoHorizontal (Y/N)NoSuperstructure General Rating7Stidge ComponentLastAbutmentsSuperstructure General RatingBearing Seats/Caps43(Type : CONCRETE)Backwalls/Breastwalls6SingwallsNPaint/CoatingXAbutment Stability7Scour/Erosion7Piers/Bents	Explanation of Condition Extensive concrete spalling of abutment 1 cap at East & West
Coating Adequate (Y/N) No Functioning (Y/N) Yes Deck Underside 7 Stains (Percent Area) 0 Span Alignment Problems 0 Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 7 Bridge Component Last Abutments Superstructure General Rating Bearing Seats/Caps 4 (Type : CONCRETE) 8 Backwalls/Breastwalls 6 Vingwalls N Paint/Coating X Abutment Stability 7 Piers/Bents 7	Explanation of Condition Extensive concrete spalling of abutment 1 cap at East & West
Functioning (Y/N)YesDeck Underside77Stains (Percent Area)0Span Alignment ProblemsVertical (Y/N)NoVertical (Y/N)No	Explanation of Condition Extensive concrete spalling of abutment 1 cap at East & West
Deck Underside 7 7 Stains (Percent Area) 0 0 Span Alignment Problems Vertical (Y/N) No Vertical (Y/N) No 5 Superstructure General Rating 7 5 Bridge Component Last Now Abutments Underside 1 Bearing Seats/Caps 4 3 (Type : CONCRETE) 6 5 Backwalls/Breastwalls 6 5 Wingwalls N 6 Piles N N Paint/Coating X X Abutment Stability 7 7 Scour/Erosion 7 7	Explanation of Condition Extensive concrete spalling of abutment 1 cap at East & West
Stains (Percent Area)0ISpan Alignment ProblemsVertical (Y/N)NoVertical (Y/N)NoIHorizontal (Y/N)NoTSuperstructure General Rating75Bridge ComponentLastNowAbutmentsIIBearing Seats/Caps43(Type : CONCRETE)65Backwalls/Breastwalls65WingwallsN6PilesNNPaint/CoatingXXAbutment Stability77Scour/Erosion77Piers/BentsII	Explanation of Condition Extensive concrete spalling of abutment 1 cap at East & West
Span Alignment ProblemsVertical (Y/N)NoHorizontal (Y/N)NoSuperstructure General Rating75SubstrBridge ComponentLastNowAbutmentsLastNowBearing Seats/Caps43(Type : CONCRETE)65Backwalls/Breastwalls65WingwallsN6PilesNNPaint/CoatingXXAbutment Stability77Scour/Erosion77Piers/Bents77	Explanation of Condition Extensive concrete spalling of abutment 1 cap at East & West
Vertical (Y/N)NoHorizontal (Y/N)NoSuperstructure General Rating75Superstructure General Rating75Bridge ComponentLastNowAbutmentsLastNowBearing Seats/Caps43(Type : CONCRETE)65Backwalls/Breastwalls65WingwallsN6PilesNNPaint/CoatingXXAbutment Stability77Scour/Erosion77Piers/Bents77	Explanation of Condition Extensive concrete spalling of abutment 1 cap at East & West
Horizontal (Y/N)NoSuperstructure General Rating75SubstrSubstrBridge ComponentLastNowAbutmentsLastNowBearing Seats/Caps43(Type : CONCRETE)65Backwalls/Breastwalls65WingwallsN6PilesNNPaint/CoatingXXAbutment Stability77Scour/Erosion77Piers/Bents77	Explanation of Condition Extensive concrete spalling of abutment 1 cap at East & West
Superstructure General Rating75Bridge ComponentLastNowAbutmentsLastNowBearing Seats/Caps43(Type : CONCRETE)65Backwalls/Breastwalls65WingwallsN6PilesNNPaint/CoatingXXAbutment Stability77Scour/Erosion77Piers/Bents77	Explanation of Condition Extensive concrete spalling of abutment 1 cap at East & West
Bridge Component Last Now Abutments Last Now Bearing Seats/Caps 4 3 (Type : CONCRETE) 4 3 Backwalls/Breastwalls 6 5 Wingwalls 6 5 Piles N 6 Paint/Coating X X Abutment Stability 7 7 Scour/Erosion 7 7	Explanation of Condition Extensive concrete spalling of abutment 1 cap at East & West
Bridge ComponentLastNowAbutmentsBearing Seats/Caps43(Type : CONCRETE)Backwalls/Breastwalls65Wingwalls65WingwallsN6PilesNNPaint/CoatingXXAbutment Stability77Scour/Erosion77Piers/Bents7	Explanation of Condition Extensive concrete spalling of abutment 1 cap at East & West
AbutmentsBearing Seats/Caps43(Type : CONCRETE)(Type : CONCRETE)Backwalls/Breastwalls65WingwallsN6PilesNNPaint/CoatingXXAbutment Stability77Scour/Erosion77Piers/BentsSS	Extensive concrete spalling of abutment 1 cap at East & West
Bearing Seats/Caps43(Type : CONCRETE)(Type : CONCRETE)Backwalls/Breastwalls65WingwallsN6PilesNNPaint/CoatingXXAbutment Stability77Scour/Erosion77Piers/Bents	
(Type : CONCRETE)Backwalls/Breastwalls65WingwallsN6PilesNNPaint/CoatingXXAbutment Stability77Scour/Erosion77Piers/Bents	
Backwalls/Breastwalls65WingwallsN6PilesNNPaint/CoatingXXAbutment Stability77Scour/Erosion77Piers/BentsVV	
WingwallsN6PilesNNPaint/CoatingXXAbutment Stability77Scour/Erosion77Piers/BentsV	
Piles N N Paint/Coating X X Abutment Stability 7 7 Scour/Erosion 7 7 Piers/Bents V V	
Paint/Coating X X Abutment Stability 7 7 Scour/Erosion 7 7 Piers/Bents 7 7	
Abutment Stability 7 7 Scour/Erosion 7 7 Piers/Bents 7 7	
Scour/Erosion 7 7 Piers/Bents	
Piers/Bents	
Bearing Seats/Caps X X	
(Туре :)	
(Total Number of Bearing Piles :)	
Pier Shaft/Piles X X	
Bracing/Struts/Sheathing X X	
Nose Plate X X	
Paint/Coating X X	
(Colour Description :)	
(Colour Code :)	
Pier Stability X X	
Scour X X	
Debris (Y/N) No	
Substructure General Rating 4 3	

Alberta Transportation

		S	Structu	re Usage					
		Last		Explanation of Condition					
Channel									
(U/S Direction : W)									
(D/S Direction : E)				-					
Alignment		6	6						
Bank Stability			5	Bends D/S with some vertical banks.					
HWM (m below Top of Curb)	2.1			(6 sticks sitting on A1 cap - photo. 06/Feb/2007)					
Drift (Y/N)	Yes								
Slope Protection		4	4	Toe of South headslope eroded. Erosion gullies on North headslope.					
(Type : CONCRETE; CONCRETE)			Concrete sandbags, only South headslope. Natural on north headslope.						
Guidebank/Spurs			X						
Adequacy of Opening			7						
(Fish Compensation Measure 1	: NONE)	I							
(Fish Compensation Measure 2	: NONE)								
Channel General Rating		4	4						

Alberta Transportation

			Maintenance Re	commend	ations					
Inspector Recommendations	Year	Inspecto	or Comments		Department Comm	nents		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2010	Repair o	guardrail SW corner.							
GALVANIZE/PAINT BRIDGE RAIL										
SEAL CURBS										
PATCH DECK										
SEAL DECK										
OVERLAY DECK										
REPAIR/REPLACE DECK JOINTS	2010									
RESET/ PAINT BEARINGS										
WASHING										
SHOTCRETE REPAIRS										
REPAIR ABUTMENT SCOUR/EROSIO	N									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION	2010	Repair o	concrete caps.							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION Structural Condition Rating (Last/No (%)	ow) 61.1/44	.4	Sufficiency Rating (Last/I (%)	Now) 5	58.7/52.3	Est. Repl. Yr	2028	Maint. Re	qd. (Y/N)	Yes
Structural Condition Rating (Last/No	ow) 61.1/44	.4	Sufficiency Rating (Last/I (%)	Now) 5	58.7/52.3 Department Comments	Est. Repl. Yr	2028	Maint. Re	qd. (Y/N)	Yes
Structural Condition Rating (Last/No (%) Special Comments for Next Inspection	ow) 61.1/44	.4	Sufficiency Rating (Last/I (%)	Now) 5	Department Comments	Est. Repl. Yr				Yes
Structural Condition Rating (Last/No (%) Special Comments for	ow) 61.1/44	.4	Sufficiency Rating (Last/I (%)	Now) 5	Department	Est. Repl. Yr		Maint. Rea		Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By	ow) 61.1/44	.4	Sufficiency Rating (Last/I (%)	Now) 5	Department Comments	Est. Repl. Yr				Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy	ow) 61.1/44	.4	Sufficiency Rating (Last/I	Now) 5	Department Comments	Est. Repl. Yr				Yes
Structural Condition Rating (Last/No. Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N)	ow) 61.1/44	.4	Sufficiency Rating (Last/I (%)		Department Comments	Est. Repl. Yr				Yes
Structural Condition Rating (Last/No. Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name		.4	Sufficiency Rating (Last/I	Previous A	Department Comments Date	Est. Repl. Yr				Yes
Structural Condition Rating (Last/No. Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date	Colin Roy	.4	Sufficiency Rating (Last/I	Previous A	Department Comments Date					Yes