						Bridge	e In	spection						
Bridge File Numb	er	74358 -1	Bridge			Ĭ		Form Type		SG				
Year Built/Year		1955/195	5					Lot No.		1				
Supstr								Inspector Name			Arnold Assenheimer			
Bridge or Town N	lame							Inspector Class			BR CLS A			
Located Over				, 8.11.84	, WATER	CRS-S	Т	Assistant Name			Wade Nanninga			
Located On		753:02 C	1 4.352					Assistant Class			BR CLS B			
Water Body Cl./Year								Inspection Date			24-Jan-20	11		
Navigabil. Cl./Year								Data Entry By			Theresa L	acusta		
Legal Land Location NW SEC 7 TWP 48 RGE 9 W5M					9 W5M			Data Entry Date			28-Feb-2011			
Longitude, Latitude -115:18:53, 53:07:54								Reviewer Name			Stew Hagan			
Road Authority Alberta Transportation (AIT)					Γ)			Review Date			15-Feb-20	11		
Contract Main. Area CMA11								Dept. Reviewer Name			Brent Herr	ick		
Clear Roadway/S	Skew	8.5 /						Dept. Revi	ew Da	ate	02-Mar-20	11		
AADT/Year		510 / 200						Follow-Up	Ву					
Road Classification		RCU-211	.0-110											
Detour Length (ki		20												
Allowable Load (t	:): Sin	gle CS1 GIRI				CS2 55 GIRDE					 RDER		> On Critical Spans> Critical Member	
Design Loading:		HS2				SIKDE				Gir	NDEK		>Critical Member	
Design Loading.		ПЭД	U			Postin	a In	formation					> Filliary	Эрап
Required Load Po	nstina	(t)		Single		CSUIII	9 111	nformation Semi			Truc	k Train		
Posted Loading (Single				Semi					k Train	
	Lane	NB			tion (Y/N)	No		In Adv	ance	(V/NI)	No		ridge (Y/N)	No
_	Lane	SB			tion (Y/N)	No					No		ridge (Y/N)	No
Remarks	Laric	00		7 tt danie	1011 (1714)	N) No In Advance (Y/N) No At Bridge (Y/N) No								140
	t Bride	70 (V/NI)	Yes											
Hazard Marker At Bridge (Y/N) Yes Remarks Dirty, not functioning.						etad on	2//	1 guardrail n	octo	not to	ctandard			
								-	00515,	HOL IO	Stariuaru.			
Other Sign Types Curve, "Pembina Rive								ocated at)						
Utility Attachmen	ts				`	January.	<u> </u>	ooutou ut)						
_	East r	/w						Gas						
Power		,						Municipal						
Others						Problem (Y	′/N)	No						
Remarks								(1	,,,,	1110				
rtomanto						naaA	road	ch Road						
					Las			Explanation	n of	Condi	ion			
Horizontal Alignm	nent				6	6	3	Approaches at all four corners. Curve at both ends, limited sigh						ited sight
Vertical Alignmer					6	6	3	distance in	botto	om of s	ag curve. N	lo pass	ing.	· ·
Roadway Width (m)		11.200											
Approach Bump					7	7	7							
Guardrail (Y/N)			Yes											
Guardrail					7	7	7	Lacks inter	media	ate pos	sts on 1st s	ection.	Not thrie bear	n type.
Length (m)			30.000					1						
Current Standa	rd (Y/	N)	No					1						
Termination Ty			Turned	Down				1						
Drainage					4	. 2	1	Gullies on both headslopes.						
Approach Road	Gene	eral Rating)		6	•	õ							
								<u> </u>						

Bridge Component (Primary Span : RG, 3 Spans, Special Features Special Feature	Lengths(r		Last	Now	Explanation of Condition					
Special Features	Lengths(r				- zxpianation of containon					
		n): 30.5-40.2	-30.5, A	-Ident I	Number: A0235-01)					
Special Feature										
Special realure				Х						
(Type:)										
Special Feature				Х						
(Type:)			'							
Wearing Surface/Deck Top De	tail Ratings	 3								
	(%)	2 (%)	3 (%)		Gutters snow covered.					
Last 10	· /									
Now 10.0	0.0	0.0	0.0							
Vearing Surface			4	4	Water staining deck through numerous wide random cracks.					
(Material Type :)				<u> </u>	Transverse cracking, abrasion and scaling 20% of surface.					
(Thickness(mm):)										
Deck Top			N N							
DOOK TOP				'1						
Deck Rideability			7	6						
·										
Deck Joints			3	3	South abutment cover plate has minor plow damage near c/l. Both abutment joints have failed. Evident from backwall staining - photo.					
Temperature (deg. C)	0				Joints slapping under traffic.					
(Expansion Type : SLIDING	PLATES)									
(Fixed Type :)										
Gap Size (mm)	Gap L	ocation								
	N. abı	ut.								
	S. abı	ut.								
Deck Drainage			4	4	Damage at abutment and girder ends from joint leakage.					
Drains Clogged (Y/N)	No				Snow covered.					
Curbs/Median			5	N	Typical hairline transverse cracks through curbs with minor rust					
(Curb Type : Standard)					stains on underside. Inside face & top snow covered17-Dec-2007					
Scaling (Percent Area)	5									
Bridge Rail			4	N	Missing rail/post connection bolt in lower rail @ NE corner - photo					
(Type : GALVANIZED STEE	I BRIDGE	TUBF)		- 14	17-Dec-2007					
Bridge Rail Posts			4	N	(Numerous posts patched. 3 posts at SW cracked at bottom. 1 with					
(Type : GALVANIZED POST STEEL)	T STEEL;G	ALVANIZED		14	exposed rebar - photo. 16/Sept/2004) Numerous posts cracked with parging delams17-Dec-2007					
Bridge Rail/Posts Coating			7	7						
(Type : GALVANIZED)										
Sidewalk			X	X						
			^							
Girder/Beam				T -						
Cover Plate			8	8	Rivetted girders.					
Flange			8	8	_					
Web			8	8	_					
Stiffeners			8	8						
Splice			8	8						
1			8	8	Only weld is bearing to girder. All other connections rivets.					
Weld Diaphragms/Cross Frame										

			Supars	tructure
Bridge Component				Explanation of Condition
(Primary Span : RG, 3 Spans, L	engths(m): 30.5-40.2-			•
Paint Condition	iongino(m): colo iola	5	7	5% chalking on 20% of fascia. Peeling
(Colour Description : GREEN)				of top coat near abutments.
(Colour Code : 14090)				
Touchup Required (Y/N)	No			
Bearings	110	4	4	Bolts not tightened down on north pier. Both abutment bearings
Temperature (deg. C)	-7	-	4	overextended & corroded - photo.
(Expansion Type : ROCKER E				
(Fixed Type : PINNED BEARI	·			
Coating Adequate (Y/N) No				
Functioning (Y/N)				
Deck Underside	1110	4	4	Transverse cracking. Efflorescence at cracks. Staining from leaking
Stains (Percent Area)	2			through cracks in wearing surface
Span Alignment Problems	Z			
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Superstructure General Nating	9			
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments			1	
Bearing Seats/Caps		4	4	Spalling S abut with coroded rebar exposed.
(Type : CONCRETE)			1	
Backwalls/Breastwalls		X	X	
Wingwalls			6	
Piles		N	N	
Paint/Coating		Х	Х	
Abutment Stability		8	7	
Scour/Erosion		4	4	Erosion gulley in N abut.
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles:	0:0)		1	
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		6	6	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		N	N	
Debris (Y/N)	Yes			Sheet piling near piers.
Substructure General Rating		4	4	

		re Usage		
				Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability			7	
,	ı			
HWM (m below Top of Curb)				10404
Drift (Y/N)	Yes			HWM not visible. Drift caught on piers.
Slope Protection		6	4	Erosion gulley N headslope.
(Type : NONE ; NONE)				
Guidebank/Spurs		Х	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating 7 4				

74358 -1 Bridge

				Maintenance R	Recommend	lations						
Inspector Recommendations	\	Year Inspector Comments				Department Com	Target Year	Est. Cost	Cat #			
REPAIR/REPLACE BRIDGE RAIL	2	2011	Rehab s missing	spalled/delam concrete post rail/post connection boltsi	ts; replace f not done							
GALVANIZE/PAINT BRIDGE RAIL	2	2011		ondition rail brackets ancho bridgerail postsif not don								
RETROFIT BRIDGE RAIL												
SEAL CURBS												
PATCH DECK												
SEAL DECK												
OVERLAY DECK												
REPAIR/REPLACE DECK JOINTS	2	2011	Replace	both abutment joints.								
RESET/ PAINT BEARINGS	2	2011										
REPAINT SUPERSTRUCTURE	2	2011	Paint en end diap	d 2m of girders at abutmen bhragms.	its & paint							
STRAIGHTEN/REPLACE MEMBERS												
WASHING												
SHOTCRETE REPAIRS												
REPAIR ABUTMENT SCOUR/EROSI	ON											
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
OTHER ACTION	2	2011	Assessr	ment for bridge rehab.								
OTHER ACTION		2011	Rehab a	abutment seat/cap & seal.								
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No. (%)	ow)	44.4/44.	4	Sufficiency Rating (Last	/Now)	51.6/47.7	Est. F	Repl. Yr	2035	Maint. Re	qd. (Y/N)	Yes
Special All action recommendation Next Inspection	nded abo	ove for 2	011 to be	e considered for major rehal	b.	Department Comments						
Maintenance Reviewed By						Date				Estimated Tota	0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Da		am			Previous	Previous Assistant's Name						
Next Inspection Date	24-Apr-2				Previous	Previous Inspection Date 17-Dec-2007						
Inspection Cycle (Default) (months)						•						
Comment												