						Ві	ridge Ir	spection							
Bridge File Numbe	er 74	4229 -1	Bridge					Form Typ	е		SG				
Year Built/Year		976/197						Lot No.			2				
Supstr								Inspector	Name		Arnold Asse	nheim	ner		
Bridge or Town Na								Inspector	Class		BR CLS A				
Located Over			SCA RIV	ER, 8.11	, WATE	RCF	RS-ST	Assistant Name			Wade Nanninga				
Located On		58:02 C	1 11.098					Assistant Class			BR CLS B				
Water Body Cl./Ye								Inspection Date			17-Jun-2010)			
Navigabil. Cl./Year								Data Entry By			Theresa Lacusta				
Legal Land Location	on S'	W SEC	2 TWP 6	0 RGE 1	0 W5M						14-Jul-2010				
Longitude, Latitude	e -1	115:23:2	1, 54:09:	31				Reviewer Name			Stew Hagan				
Road Authority Alberta Transportation (AIT)					Γ)			Review Date			14-Jul-2010				
Contract Main. Are	ea C	MA12						Dept. Rev	/iewer N	Name	Brent Herric	Κ			
Clear Roadway/Sk	kew 9.	.8 /						Dept. Rev			15-Jul-2010				
AADT/Year	43	30 / 200	9 (A)					Follow-U							
Road Classification	n R	CU-209	-110					- Ollow-op by							
Detour Length (km															
Allowable Load (t):	: Single	e CS1	28		Semi	CS	2 49		Train	CS	3 62		> On Critic >Critical M	al Spans ember	
Design Loading:		HS5	5										> Primary S	Span	
						Po	sting Ir	formation							
Required Load Pos	sting (t))		Single				Semi				Truc	k Train		
Posted Loading (t))			Single				Semi			Truck Train				
Posted: La	ane	NB		At Junc	tion (Y/N)	No	In Ad	vance (Y/N)	No	At B	ridge (Y/N)	No	
Posted: La	ane	SB		At Junc	tion (Y/N)	No	In Ad	vance (Y/N)	No	At B	ridge (Y/N)	No	
Remarks N	lot requ	uired.													
Hazard Marker At Bridge (Y/N) Yes															
Remarks			Not to s	tandard	height ar	nd Ic	ocation.								
Other Sign Types Information, Warning.					rning.										
Utility Attachments						Uti	lities (L	ocated at)						
Telephone W	Vest r/w	٧.						Gas							
Power 1	wire 50	0m East	r/w.					Municipa							
Others								Problem	Y/N)	No					
Remarks															
						F	Approa	ch Road							
					La	st	Now	Explanation of Condition							
Horizontal Alignme	ent					7	7	Road winds down. Grade at both ends.							
Vertical Alignment	(Missing 4 type I transition holts at NE & NIM corners - n						plit post @								
	(Couple small spalls on NW drain trough. 26/Nov/2003)														
Roadway Width (m) 10.000							_								
Approach Bump				4	6										
Guardrail (Y/N) Yes															
Guardrail						N	4								
Length (m)		48.000													
Current Standard			No												
Termination Type	е		Turned	Down											
Drainage						6	4	Unravellir	ng ACP	@ NV	V-photo				
Approach Road G	Genera	I Rating	j			7	7								

Last Now Explanation of Condition							Suner	structure					
Catwalk unsecured Catw	Bridge Com	onent											
Special Features X			ns. Le	naths(m): 45.7-56.								
Special Feature			, =0		,								
Type : Special Feature							Y	Catwalk unsecured					
Special Feature		116						Catwaik unsecuteu.					
Type : Wearing Surface/Deck Top Detail Ratings							V						
Wearing Surface/Deck Top Detail Ratings	·												
N (%)						_							
Last Now Wearing Surface 5 5 Random transverse cracks, patches. Unravelling overlay exposing deck (0.5m2)photo Unravelling overlay exposing dec	Wearing Surf					0 (0()							
Now		N (%)	1 (%)	%) 2 (%)		3 (%)							
Wearing Surface ((Material Type : CONCRETE) ((Thickness(mm) : 50) Deck Top N N N Deck Rideability 7 7 Deck Joints 4 4 4 Has scaling rust S. trough has concrete/dirt preventing drainagephoto (Expansion Type : FINGER PLATES) (Fixed Type :) Gap Size (mm) So N N N Deck Drainage Drains Clogged (Y/N) Curbs/Median Curb Type : Saturdard) Scaling (Percent Area) Bridge Rail Citype : GALVANIZED POST STEEL;GALVANIZED POST Sidewalk X X Girder/Beam Cover Plate Flange 8 8 8 8 Random transverse cracks, patches. Unravelling overlay exposing deck (0.5m2)photo N N A Has scaling rust S. trough has concrete/dirt preventing drainagephoto Cracked & rust staining on exterior fascia below bridgerail po (10/w of posts have minor deterioration of grout pads.) Begin affect posts anchorage. (10% of posts have minor deterioration of grout pads.) Begin affect posts anchorage. (10% of posts have minor deterioration of grout pads.) Begin affect posts anchorage. (10% of posts have minor deterioration of grout pads.) Begin affect posts anchorage. (10% of posts have minor deterioration of grout pads.) Begin affect posts anchorage.								4					
(Material Type : CONCRETE) (Thickness(mm) : 50) Deck Top						_							
(Thickness(mm) : 50) Deck Top					5	5	Random transverse cracks, patches. Unrayelling overlay exposing deck (0.5m2) -photo						
Deck Rideability Deck Rideability 7 7 Deck Joints Temperature (deg. C) 15 (Expansion Type : FINGER PLATES) (Fixed Type :) Gap Size (mm) 80		•	ETE)					- Critavoling evenay expecting deak (c.em2). priote					
Deck Ideability 7 7 7 Deck Joints 4 4 4 Has scaling rust. Temperature (deg. C) 15 S. trough has concrete/dirt preventing drainagephoto (Expansion Type : FINGER PLATES) (Fixed Type :) Gap Size (mm) Gap Location 80 N. abut 75 S. abut Deck Drainage 8 8 8 On good grade. None Deck Drainage 8 8 8 On good grade. None Curbs/Median N 5 Cracked & rust staining on exterior fascia below bridgerail por (Curb Type : Standard) Scaling (Percent Area) 0 Bridge Rail 4 7 (Type : GALVANIZED POST STEEL; GALVANIZED SIdewalk X X X Girder/Beam Cover Plate 1 X X X Flange 8 8 8 Web	(Thickness)	(mm) : 50)											
Deck Joints	Deck Top					N	N						
Temperature (deg. C) 15 (Expansion Type : FINGER PLATES) (Fixed Type :) Gap Size (mm) 80 N. abut 75 S. abut Deck Drainage Drains Clogged (Y/N) Curbs/Median (Curb Type : Standard) Scaling (Percent Area) Bridge Rail (Type : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail/Posts Coating (Type : GALVANIZED) Sidewalk X X Flange Bridge Rail Cover Plate Cover Plate Flange 8 8 S. trough has concrete/dirt preventing drainagephoto	Deck Rideabi	lity				7	7						
CExpansion Type : FINGER PLATES	Deck Joints					4	4	Has scaling rust.					
(Fixed Type :) Gap Size (mm) 80 N. abut 75 S. abut Deck Drainage Drains Clogged (Y/N) Curbs/Median N 5 Cracked & rust staining on exterior fascia below bridgerail potential	Temperatur	re (deg. C)		15				S. trough has concrete/dirt preventing drainagephoto					
Gap Size (mm) Gap Location 80 N. abut 75 S. abut Deck Drainage 8 8 On good grade. Drains Clogged (Y/N) None Curbs/Median N 5 Cracked & rust staining on exterior fascia below bridgerail potential for the company of the company	(Expansion	Type : FINGE	R PLA	TES)									
80	(Fixed Type	e :)											
80				Gap L	_ocation								
Deck Drainage Drains Clogged (Y/N) Curbs/Median N 5 (Curb Type : Standard) Scaling (Percent Area) Bridge Rail (Type : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail/Posts N 4 (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating Ridge Rail/Posts Rail/Pos		,		· ·									
Deck Drainage Drains Clogged (Y/N) Curbs/Median N 5 Cracked & rust staining on exterior fascia below bridgerall po (Curb Type : Standard) Scaling (Percent Area) Bridge Rail 4 7 (Type : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts N 4 STEEL) Bridge Rail/Posts Coating Right Rail/Posts Rail													
Drains Clogged (Y/N) Curbs/Median (Curb Type : Standard) Scaling (Percent Area) Bridge Rail (Type : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating Bridge Rail/Posts Coating Sidewalk X X Girder/Beam Cover Plate X X Flange 8 8 Web													
Drains Clogged (Y/N) Curbs/Median (Curb Type : Standard) Scaling (Percent Area) Bridge Rail (Type : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating Bridge Rail/Posts Coating Sidewalk X X Girder/Beam Cover Plate X X Flange 8 8 Web								-					
Drains Clogged (Y/N) Curbs/Median (Curb Type: Standard) Scaling (Percent Area) Bridge Rail (Type: GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts (Type: GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating Bridge Rail/Posts Coating Scaling (Percent Area) (10% of posts have minor deterioration of grout pads.) Beging affect posts anchorage. (10% of posts have minor deterioration of grout pads.) Beging affect posts anchorage. (Type: GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating Bridge Rail/Posts Coati								-					
Drains Clogged (Y/N) Curbs/Median (Curb Type: Standard) Scaling (Percent Area) Bridge Rail (Type: GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts (Type: GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating Bridge Rail/Posts Coating Scaling (Percent Area) (10% of posts have minor deterioration of grout pads.) Beging affect posts anchorage. (10% of posts have minor deterioration of grout pads.) Beging affect posts anchorage. (Type: GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating Bridge Rail/Posts Coati								-					
Drains Clogged (Y/N) Curbs/Median (Curb Type: Standard) Scaling (Percent Area) Bridge Rail (Type: GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts (Type: GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating Bridge Rail/Posts Coating Scaling (Percent Area) (10% of posts have minor deterioration of grout pads.) Beging affect posts anchorage. (10% of posts have minor deterioration of grout pads.) Beging affect posts anchorage. (Type: GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating Bridge Rail/Posts Coati	Dock Drainac	10				0	0	On good grade					
Curbs/Median N 5 (Curb Type : Standard) Scaling (Percent Area) 0 Bridge Rail (Type : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts N 4 (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating 8 8 (Type : GALVANIZED) Sidewalk X X X Girder/Beam Cover Plate X X X Flange 8 8 8 Web 8 8						0	0						
(Curb Type : Standard) Scaling (Percent Area) Bridge Rail (Type : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts N 4 (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating Bridge Rail/Posts Coating Sidewalk X X Girder/Beam Cover Plate X X Flange 8 8 Web													
Scaling (Percent Area) Bridge Rail (Type : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating Bridge Rail/Posts Coating Sidewalk X X Girder/Beam Cover Plate X X Flange 8 8 Web						N	5	Uracked & rust staining on exterior fascia below bridgerail posts.					
Bridge Rail (Type : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts N 4 (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating (Type : GALVANIZED) Sidewalk X X Girder/Beam Cover Plate X X Flange 8 8 Web								-					
(Type : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating (Type : GALVANIZED) Sidewalk Cover Plate Cover Plate X X Flange 8 8 Web (10% of posts have minor deterioration of grout pads.) Begin affect posts anchorage.		rcent Area)		U									
Bridge Rail Posts N 4 (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating 8 8 (Type : GALVANIZED) Sidewalk X X Girder/Beam Cover Plate X X Flange 8 8 Web 8 8						4	7	(10% of poets have minor deterioration of grout pade \ Poginsing to					
Bridge Rail Posts			FEEL B	RIDGE	E TUBE)			affect posts anchorage.					
STÉEL) Bridge Rail/Posts Coating 8 8 (Type : GALVANIZED) X X Sidewalk X X Girder/Beam X X Cover Plate X X Flange 8 8 Web 8 8							4						
(Type : GALVANIZED) Sidewalk X X Girder/Beam X X Cover Plate X X Flange 8 8 Web 8 8		LVANIZED PO	OST ST	EEL;G	BALVANIZE	POST							
Sidewalk X X Girder/Beam Cover Plate X X Flange 8 8 Web 8 8	Bridge Rail/P	osts Coating				8	8						
Girder/Beam Cover Plate X X Flange 8 8 Web 8 8	(Type : GA l	LVANIZED)											
Cover PlateXXFlange88Web88				Х	Х								
Flange 8 8 Web 8 8	Girder/Beam												
Web 8 8	Cover Plate)				X	X						
Web 8 8	Flange			8	8								
Children and				8	8								
Stilleners 8 8	Stiffeners			8	8	1							
Splice 8 8								1					
Weld 8 8								1					
Diaphragms/Cross Frame 8 8		Cross Frame											
							oxdot						

			2	Annua Annua
Bridge Component				tructure Explanation of Condition
(Primary Span : WG, 5 Spans, I	engths(m): 45 7-56 4-			
Paint Condition	-crigatis(iii): 40.7 00.4 (5	5	5% paint failure predominantly under abutment joints.
(Colour Description :)				o 70 paint failure predominantly diffuer abdition joints.
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings	140	6	6	Exterior bearings rusting, typical - photo.
Temperature (deg. C)	15	0	0	Exterior bearings rusting, typicar - prioto.
(Expansion Type : POT BEAR				
(Fixed Type : POT BEARING)	·			
Coating Adequate (Y/N)	No			
Functioning (Y/N)	Yes			
Deck Underside	163	5	4	Random transverse cracks with effloresence and rust stains.
	3	3	4	Wide cracking exposing rebar over pier 4 (East side)photo
Stains (Percent Area)	<u> </u> 3			
Span Alignment Problems Vertical (Y/N)	No			
` ,	No			
Horizontal (Y/N)			_	
Superstructure General Rating	9	5	4	
			Substi	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		4	4	Cracked/spalling at roof slab connection to abut. seatphoto
Piles		N	N	
Paint/Coating		5	5	
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents		<u> </u>		
(Type : PIER-SOLID)				Wide vertical crack c/l pier 1,2 & 4.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles :	0:0:0:0)			
Pier Shaft/Piles		7	6	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating			5	
(Colour Description :)				
(Colour Code :)				
Pier Stability			8	
Scour		N	N	
Debris (Y/N)	Yes			Caught on piers.
Substructure General Rating		7	6	

		5	Structu	re Usage
		Last		Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		7	7	
HWM (m below Top of Curb)				
Drift (Y/N)	Yes			HWM not visible.
Slope Protection			7	Concrete paving on north bank, extends upstream = 100 m.
(Type : CONCRETE)				
Guidebank/Spurs		8	8	
Adequacy of Opening			8	
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

74229 -1 Bridge

			Maintenance Rec	ommend	ations					
Inspector Recommendations	Y	⁄ear	Inspector Comments		Department Comme		Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL			·							
GALVANIZE/PAINT BRIDGE RAIL										
RETROFIT BRIDGE RAIL										
SEAL CURBS										
PATCH DECK										
SEAL DECK										
OVERLAY DECK										
REPAIR/REPLACE DECK JOINTS										
RESET/ PAINT BEARINGS										
REPAINT SUPERSTRUCTURE										
STRAIGHTEN/REPLACE MEMBERS										
WASHING	2	2010	Clean abutment plumbing.							
SHOTCRETE REPAIRS										
REPAIR ABUTMENT SCOUR/EROSI	ON									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION		2010	Replace split guardrail posts. (4)							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No. (%)	ow) 6	66.7/55.6 Sufficiency Rating (Last/l)			63.6/58.3	st. Repl. Yr	2053	Maint. Red	qd. (Y/N)	Yes
Special Monitor rusting at b Comments for Next Inspection	ase of brid	dgerail	posts, cracking at WW and deck under	side.	Department Comments					
Maintenance Reviewed By					Date		E	Estimated Total	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
5			1.							
Previous Inspector's Name Dave				Previous Assistant's Name Previous Inspection Date 01-Mar-2007						
Next Inspection Date	17-Sep-2	2013								
Inspection Cycle (Default) (months)	39									
Comment										