								Bridge lı	nspec	tion							
Bridge File Num	ber	7054	46 -1 E	Bridge						n Type			PCS				
Year Built/Year		1979	9/1979	)					Lot No.			2					
Supstr									Inspector Name				Brian Pientsch				
Bridge or Town	Name								Inspector Class		BR CLS A						
Located Over		ST	RDINA	L CREE	K, 8.10.	48.3, V	VATE	RCRS-	Assistant Name		Clem Guenette						
Located On		737:	:02 C1	33.993					Assistant Class		BR CLS B						
Water Body Cl./	Year								Insp	ection [	Date		25-Mar-2013				
Navigabil. Cl./Ye	ear								Data	, ,			Theresa Lac	Theresa Lacusta			
Legal Land Location SE SEC 26 TWP 84 RGE 24 W5					М		Data Entry Date			10-Apr-2013							
Longitude, Latitude -117:40:32, 56:18:21									Eric Carcoux								
Road Authority Alberta Transportation (AIT)						Review Date			03-Apr-2013								
Contract Main. A	Contract Main. Area CMA04						Dept. Reviewer										
Clear Roadway/	Skew	10.1	/					Dept. Re				9					
AADT/Year		320	/ 2012	2 (A)					Folic	ow-Up E	Зу						
Road Classificat		RCL	J-209-	110													
Detour Length (	ĺ	5															
Allowable Load	(t): Sin	igle	CS1 2	28		Semi	C	S2 49			Train	CS	S3 62		> On Critical Spans> Critical Member		
Design Loading: MS23													> Primary				
2 co.g.: 2 ca.a.i.g.			WOZ				Po	osting l	nform	ation					2 Timery	Opan	
Required Load F	osting	(t)			Single					Semi				Truck Train			
Posted Loading	(t)				Single				:	Semi				Truck Train			
Posted:			В	At Junction (		tion (Y	//N) No			In Adva	dvance (Y/N)		No	At Bı	t Bridge (Y/N) No		
Posted:	Lane	V	ΝB		At Junc	tion (Y	/N)	No		In Adva	ance (Y	′/N)	No	At Bı	ridge (Y/N)	No	
Remarks	Not re	quire	ed.														
Hazard Marker A	At Brid	ge (Y	/N)	Yes													
Remarks				Installe	d too lov	v & SE	& S\	N signs	facing	wrong	direct	ion.					
Other Sign Type	s			Bump, b	oth dire	ctions.											
							Ut	tilities (L	Locate	ed at)							
Utility Attachmen	<u> </u>																
Telephone	SOUT			o :					Gas								
Power	11 M	N. OI	F C/L-	2 wire						icipal	/N I \ N	l-					
Others									Prob	olem (Y	/N)   N	lo					
Remarks								Approa	och Pa	and							
							Last			lanatio	n of C	ondi	tion				
Horizontal Aligni	ment						7	7		p in WI		Jiidii					
Vertical Alignme							8	8	1								
Roadway Width				9.400													
Approach Bump							4	4	Bum	p in WI	BL.	oth c	abutments.				
Guardrail (Y/N)				Yes					AOP	CIACKE	Ju UII D	oute	10011101110.				
Guardrail				103			8	7									
Length (m)				22.800			-										
Current Stand	ard (Y/	N)		No													
Termination Ty		-,		TURN [	OOWN												
Drainage					7	6	Som	e pond	ing @	Wes	t approach du	ie to s	snow melt.				
							1				• •						
Approach Road	d Gene	eral R	Rating				7	7									

Last   Now   Explanation of Condition     Primary Span : SM, 1 Spans, Lengths(m): 6, A-Ident Number : Special Feature   X						Supers	structure						
Primary Span : SM, 1 Spans, Lengths(m): 6, A-Ident Number:   Special Feature	Bridge Comp	oonent											
Special Feature  Special Feature  (Type:) Wearing Surface/Deck Top Detail Ratings  N(%) 1 (%) 2 (%) 3 (%) Last Now 10.0  Wearing Surface  (Material Type: ACP) (Thickness(mm): 50) Lateral Connection Problem (Y/N) Deck Top  N N N Deck Rideability  5 5  Dack Joints Sump (Y/N) No Deck Drainage  Trains Clogged (Y/N) No Curbs Median (Curb Type: Standard) Scaling (Percent Area) O Bridge Rail Posts Coating (Type: GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts Now  1 A Few rust spots on underside a teast end. North bridgeral is bent down (photo). Stidewalk X X Girder Detail Ratings Now  1 A Few rust spots on underside originating from debris left in forms during casting. Griders Cracking (Y/N) No Spaling (Percent Area) O Span Alignment Problems Vertical (Y/N) No			ns, Lengths	(m): 6, A-Iden									
CType :   Special Feature				· · ·									
Special Feature						X							
Special Feature	(Type:)												
Wearing Surface/Deck Top Detail Ratings		ıre				Х							
Wearing Surface/Deck Top Detail Ratings	(Type:)												
N (%)		ace/Deck Top	Detail Ratin	as									
Last   Now					3 (%)								
Wearing Surface	Last												
(Material Type : ACP) (Thickness(mm) : 50) Lateral Connection Problem (YR) (YR) Deck Top N N N N Deck Rideability S Deck Joints Sump (Y/N) No Deck Drainage Trains Clogged (Y/N) No Deck Curbs:  Drains Clogged (Y/N) No Deck Prainage Trains Clogged (Y/N) No Deck Prainage Trains Clogged (Y/N) No Deck Drainage Trains Clogged (Y/N) Scaling (Percent Area) Dridge Rail Trype : SALVANIZED STEEL BRIDGE TUBE) Bridge Rail Trype : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts TrEL; Dridge Rail/Posts Coating Trype : GALVANIZED STEEL:GALVANIZED POST STEEL: Bridge Rail/Posts Coating Trype : GALVANIZED Sidewalk X X  Circler Detail Ratings N (count) Last Now 1 Girders Tracking (Y/N) No Spalling (Percent Area) O A few rust spots on underside originating from debris left in forms during casting. Cracking (Y/N) No Spalling (Percent Area) O Cracking (Y/N) No Covered by ACP. Both bridgerails damaged at east end. North bridgerails damaged at east end. North bridgerail is bent up (photo). South bridgerail is bent up (photo). South bridgerail is bent down (photo). South bridgerail is bent down (photo). South bridgerail is bent down (photo). South bridgerail is bent up (photo). South bridgerail is bent	Now	10.0											
(Material Type : ACP) (Thickness(mm) : 50) Lateral Connection Problem (YR) (YR) Deck Top N N N N Deck Rideability S Deck Joints Sump (Y/N) No Deck Drainage Trains Clogged (Y/N) No Deck Curbs:  Drains Clogged (Y/N) No Deck Prainage Trains Clogged (Y/N) No Deck Prainage Trains Clogged (Y/N) No Deck Drainage Trains Clogged (Y/N) Scaling (Percent Area) Dridge Rail Trype : SALVANIZED STEEL BRIDGE TUBE) Bridge Rail Trype : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts TrEL; Dridge Rail/Posts Coating Trype : GALVANIZED STEEL:GALVANIZED POST STEEL: Bridge Rail/Posts Coating Trype : GALVANIZED Sidewalk X X  Circler Detail Ratings N (count) Last Now 1 Girders Tracking (Y/N) No Spalling (Percent Area) O A few rust spots on underside originating from debris left in forms during casting. Cracking (Y/N) No Spalling (Percent Area) O Cracking (Y/N) No Covered by ACP. Both bridgerails damaged at east end. North bridgerails damaged at east end. North bridgerail is bent up (photo). South bridgerail is bent up (photo). South bridgerail is bent down (photo). South bridgerail is bent down (photo). South bridgerail is bent down (photo). South bridgerail is bent up (photo). South bridgerail is bent	Wearing Surf	ace	•		4	5	ACP is cracked along 4 girder lines.						
Chickness(mm): 50													
Lateral Connection Problem (Yrix)  Deck Top  Deck Top  N N N  Deck Rideability  5 5 5  Deck Joints  Bump (Y/N)  No  Deck Drainage  7 5 NO DRAINS  Drains Clogged (Y/N)  No  Curbs://Median  4 4 4 Both bridgerails damaged at east end. North bridgerail is bent up (photo). South bridgerail is bent down (photo). South bridgerail is be		•											
Deck Top N N N  Deck Rideability 5 5 5  Deck Joints N N Covered by ACP.  Bump (Y/N) No  Deck Drainage 7 5 5  Drains Clogged (Y/N) No  Curbs/Median 4 4 4  (Curb Type : Standard) Scaling (Percent Area) 0  Bridge Rail 4 4  (Type : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts 7 7  (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)  Bridge Rail/Posts Coating 7 7  (Type : GALVANIZED DOST STEEL;GALVANIZED POST STEEL)  Bridge Rail/Posts Coating 7 7  (Type : GALVANIZED DOST STEEL;GALVANIZED POST STEEL)  Bridge Rail/Posts Coating 7 7  (Type : GALVANIZED DOST STEEL;GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED STEEL Ratings	Lateral Conne	`	n Yes										
Deck Nideability  Deck Data					N	NI							
Deck Joints  Bump (Y/N)  Deck Drainage  To 5  Drains Clogged (Y/N)  No  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  (Type: GALVANIZED)  Sidewalk  X X X   Girder Detail Ratings  N (count)  Last  Now  1  Girders  A few rust spots on underside originating from debris left in forms during casting.  G1 spall both ends, hole 300m DPx100mmx100mm.  G8 haifline cracking and efflorescence.  Curb lift or Connector Pocket  Grouted (Y/N)  No  (Number Of Girders: 9)  Span Alignment Problems  Vertical (Y/N)  No  No  No  No  No  No  No  No  No	Deck Top				IN	'\							
Bump (Y/N) No Deck Drainage Drains Clogged (Y/N) No  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)  Sidewalk  X  Girder Detail Ratings  N (count)  Last Now  1  Girders  7 7 3  Last Complete Inspection Date Cracking (Y/N) Spalling (Percent Area)  0 A few rust spots on underside originating from debris left in forms during casting. G1 spall both ends, hole 300m DPx100mmx100mm. G8 hairline cracking and efflorescence. Curb lift pockets not grouted.  Vift hook pockets not grouted.  Lift hook pockets not grouted.  Lift hook pockets not grouted.  North bridgerail s bent up (photo). South bridgerail is bent up (photo). South bridgerail is bent up (photo). South bridgerail is bent down (photo).  South bridgerail is bent down (photo).  South bridgerail is bent down (photo).  South bridgerail is bent down (photo).  South bridgerail is bent down (photo).  South bridgerail is bent down (photo). South bridgerail is bent up (photo). South bridgerail is	Deck Rideabi	ility			5	5							
Deck Drainage 7 5 5 Drains Clogged (Y/N) No  Curbs/Median 4 4 4 (Curb Type : Standard) Scaling (Percent Area) 0  Bridge Rail 4 4 (Type : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail 9osts 7 7 (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL;G	Deck Joints				N	N	Covered by ACP.						
Drains Clogged (Y/N) No  Curbs/Median 4 4 4  (Curb Type : Standard) Scaling (Percent Area) 0  Bridge Rail (Type : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts 7 7  (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)  Bridge Rail/Posts Coating 7 7  (Type : GALVANIZED)  Sidewalk X X  Girder Detail Ratings    N (count)   1 (count)   2 (count)   3 (count)   Last   Now	Bump (Y/N)		No										
Curb Type: Standard) Scaling (Percent Area) 0  Bridge Rail (Type: GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts 7 7 (Type: GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating 7 7 (Type: GALVANIZED) Sidewalk X X  Girder Detail Ratings    N (count)   1 (count)   2 (count)   3 (count)   Last   Now	Deck Drainag	je			7	5	NO DRAINS						
Curb Type : Standard   Scaling (Percent Area)   O	Drains Clog	ged (Y/N)	No										
Curb Type : Standard    Scaling (Percent Area)   0	Curbs/Mediar	n			4	4	Lift hook pockets not grouted.						
Scaling (Percent Area) 0  Bridge Rail 4 4 4  (Type : GALVANIZED STEEL BRIDGE TUBE)  Bridge Rail Posts 7 7  (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)  Bridge Rail/Posts Coating 7 7  (Type : GALVANIZED)  Sidewalk X X X  Girder Detail Ratings  N (count) 1 (count) 2 (count) 3 (count)  Last  Now 1  Girders  Last Complete Inspection Date 25-Mar-2013  Cracking (Y/N) No  Spalling (Percent Area) 0  Lift or Connector Pocket Grouted (Y/N) No  Monumber Of Girders : 9)  Span Alignment Problems  Vertical (Y/N) No  Horizontal (Y/N) No  Bridge Rail y (photo).  South bridgerail is bent up (photo).  South bridgerail is bent up (photo).  North bridgerail is bent up (photo).  South Bridgerail is bent up (photo).  So	(Curb Type	: Standard)			_								
Count   Coun			0										
North bridgerail is bent up (photo). South bridgerail is bent down (photo). South bridgerail is bent up (photo).	Bridge Rail				4	4	Both bridgerails damaged at east end.						
Bridge Rail Posts 7 7  (Type: GALVANIZED POST STEEL; GALVANIZED POST STEEL) Bridge Rail/Posts Coating 7 7  (Type: GALVANIZED) Sidewalk X X  Girder Detail Ratings    N (count)   1 (count)   2 (count)   3 (count)  Last   Now   1    Girders   7   3    Last Complete Inspection Date   25-Mar-2013    Cracking (Y/N)   No   Spalling (Percent Area)   0    Lift or Connector Pocket Grouted (Y/N)   (Number Of Girders: 9)  Span Alignment Problems  Vertical (Y/N)   No    Horizontal (Y/N)   No    Horizontal (Y/N)   No    Spalling (Procent Area)   No    Span Alignment Problems		LVANIZED ST	TEEL BRIDG	E TUBE)			North bridgerail is bent up (photo).						
Bridge Rail/Posts Coating 7 7  (Type: GALVANIZED)  Sidewalk X X X  Girder Detail Ratings  N (count) 1 (count) 2 (count) 3 (count)  Last Now 1  Girders 7 3 A few rust spots on underside originating from debris left in forms during casting.  Cracking (Y/N) No  Spalling (Percent Area) 0  Lift or Connector Pocket Grouted (Y/N)  (Number Of Girders: 9)  Span Alignment Problems  Vertical (Y/N) No  Horizontal (Y/N) No				,	7	7	South bridgerail is bent down (photo).						
Cracking (Y/N)   No   Spalling (Percent Area)   Crouned (Y/N)   No   C	(Type : GAI	LVANIZED PO	OST STEEL;	GALVANIZED	POST								
Cracking (Y/N)   No   Spalling (Percent Area)   Crouned (Y/N)   No   C	Bridge Rail/P	osts Coating			7	7							
Girder Detail Ratings    N (count)   1 (count)   2 (count)   3 (count)					_								
Girder Detail Ratings    N (count)   1 (count)   2 (count)   3 (count)	Sidewalk	,			X	X							
Now 1  Girders 7 3 A few rust spots on underside originating from debris left in forms during casting.  Cracking (Y/N) No  Spalling (Percent Area) 0  Lift or Connector Pocket Grouted (Y/N)  (Number Of Girders : 9)  Span Alignment Problems  Vertical (Y/N) No  Horizontal (Y/N) No													
Last   Now	Girder Detail	1											
Now 1  Girders 7 3 A few rust spots on underside originating from debris left in forms during casting.  Last Complete Inspection Date 25-Mar-2013 Cracking (Y/N) No  Spalling (Percent Area) 0 G8 hairline cracking and efflorescence. Curb lift pockets not grouted.  Lift or Connector Pocket Grouted (Y/N) (Number Of Girders: 9)  Span Alignment Problems  Vertical (Y/N) No  Horizontal (Y/N) No		N (count)	1 (count)	2 (count)	3 (cou	unt)							
Girders 7 3 A few rust spots on underside originating from debris left in forms during casting.  Cracking (Y/N) No  Spalling (Percent Area) 0  Lift or Connector Pocket Grouted (Y/N)  (Number Of Girders: 9)  Span Alignment Problems  Vertical (Y/N) No  Horizontal (Y/N) No													
Last Complete Inspection Date 25-Mar-2013 during casting. Cracking (Y/N) No  Spalling (Percent Area) 0  Lift or Connector Pocket Grouted (Y/N) (Number Of Girders : 9)  Span Alignment Problems  Vertical (Y/N) No  Horizontal (Y/N) No													
Cracking (Y/N)  Spalling (Percent Area)  Lift or Connector Pocket Grouted (Y/N)  (Number Of Girders: 9)  Span Alignment Problems  Vertical (Y/N)  Horizontal (Y/N)  No  G1 spall both ends, hole 300m DPx100mmx100mm.  G8 hairline cracking and efflorescence.  Curb lift pockets not grouted.  Span Alignment Problems  Vertical (Y/N)  No					7	3							
Spalling (Percent Area)  Lift or Connector Pocket Grouted (Y/N)  (Number Of Girders: 9)  Span Alignment Problems  Vertical (Y/N)  No  G8 hairline cracking and efflorescence. Curb lift pockets not grouted.  Span Alignment Problems  Vertical (Y/N)  No  Horizontal (Y/N)  No				ar-2013			G1 spall both ends, hole 300m DPx100mmx100mm.						
Lift or Connector Pocket Grouted (Y/N)  (Number Of Girders : 9)  Span Alignment Problems  Vertical (Y/N)  No  Horizontal (Y/N)  No  Curb lift pockets not grouted.  Curb lift pockets not grouted.		·					G8 hairline cracking and efflorescence.						
Grouted (Y/N) (Number Of Girders : 9)  Span Alignment Problems  Vertical (Y/N)  Horizontal (Y/N)  No							Curb lift pockets not grouted.						
Span Alignment Problems  Vertical (Y/N) No  Horizontal (Y/N) No			No										
Vertical (Y/N) No Horizontal (Y/N) No	(Number Of C	Girders : 9)											
Horizontal (Y/N) No	Span Alignm	ent Problems	S										
	Vertical (Y/I	N)	No										
Superstructure General Rating 7 3	Horizontal (	(Y/N)	No										
	Superstructu	ure General R	ating		7	3							

MC
- no

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		Х	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability			X	
Scour		Х	Х	
Debris (Y/N) No				
Substructure General Rating		6	5	
		5	Structu	re Usage
		Last	1	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM NOT VISIBLE
Drift (Y/N)	No			
Slope Protection		7	N	Snow covered
(Type:)				
Guidebank/Spurs			X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 :	: NONE)			
(Fish Compensation Measure 2				
Channel General Rating		7	7	

70546 -1 Bridge

				Mainte	nance Recomme	ndations						
Inspector Recommendations	Y	/ear	Inspector	Comments		Department Co	ommen	ts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2	2013										
SEAL CURBS	2	2013	Grout lift I	hook pockets.								
PATCH DECK												
OVERLAY DECK												
STRAIGHTEN/REPLACE MEMBERS												
WASHING												
SHOTCRETE REPAIRS												
CORE TIMBER CAPS/CORBELS												
REPAIR/REPLACE TIMBER CAPS												
REPAIR ABUTMENT SCOUR/EROSIG	NC											
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL STRUTS												
OTHER ACTION				ops on SW wingw								
OTHER ACTION		2013		ımp on E. Approa								
OTHER ACTION	2	2013	Switch SE with SW Hazard Marker.									
OTHER ACTION	2	2013	Patch hol	e in girder 1.								
OTLIED ACTION												
OTHER ACTION												
OTHER ACTION OTHER ACTION												
	ow) 7	72.2/44. <i>4</i>	4	Sufficiency Rati (%)	ng (Last/Now)	72.3/60.8	Est	t. Repl. Yr	2033	Maint. Red	qd. (Y/N)	Yes
OTHER ACTION  Structural Condition Rating (Last/No	ow) 7	72.2/44.4	4	Sufficiency Rati (%)	ng (Last/Now)	72.3/60.8  Department Comments	Est	t. Repl. Yr	2033	Maint. Red	qd. (Y/N)	Yes
OTHER ACTION  Structural Condition Rating (Last/No. (%))  Special Comments for	ow) 7	72.2/44.4	4	Sufficiency Rati (%)	ng (Last/Now)	Department	Est	t. Repl. Yr		Maint. Red		Yes
OTHER ACTION  Structural Condition Rating (Last/No. (%))  Special Comments for Next Inspection	ow) 7	72.2/44.4	4	Sufficiency Rati (%)	ng (Last/Now)	Department Comments	Est	t. Repl. Yr				Yes
OTHER ACTION  Structural Condition Rating (Last/No. (%)  Special Comments for Next Inspection  Maintenance Reviewed By	ow) 7	72.2/44.4	4	Sufficiency Rati (%)	ng (Last/Now)	Department Comments	Est	t. Repl. Yr				Yes
Structural Condition Rating (Last/Not)  Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy	ow) 7	72.2/44.4	4	Sufficiency Rati (%)	ng (Last/Now)	Department Comments	Est	t. Repl. Yr				Yes
OTHER ACTION  Structural Condition Rating (Last/No. (%))  Special Comments for Next Inspection  Maintenance Reviewed By  Proposed Long-Term Strategy  On 3-Year Program (Y/N)	ow) 7		4	Sufficiency Rati		Department Comments		t. 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		ters	4	Sufficiency Rati	Previou	Department Comments  Date		t. 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	Kris Bosi	ters	4	Sufficiency Rati	Previou	Department Comments  Date  Date						Yes

Bridge Inspection & Maintenance System (Web 2005)