							В	ridge Ir	nspect	tion							
Bridge File Num	Bridge File Number 00444 -1 Bridge								Form Type			PCS					
Year Built/Year 1979/1979								Lot No.			2						
Supstr									Inspector Name			Jason Saly					
Bridge or Town	Name								Inspector Class			BR CLS A					
Located Over				EAT CRE	EK, 5.4	D, WATE	RC	RS-ST	Assis	stant N	lame						
Located On		56:1	6 C1	32.866					Assistant Class								
Water Body Cl./									Inspection Date			13-Feb-2013					
Navigabil. Cl./Ye									Data	Entry	Ву		Marcia Chavez				
Legal Land Loca				9 TWP 4		19 W4M			Data	Entry	Date		14-Mar-2013				
Longitude, Latitu	Ide			8, 52:52:					Revie	ewer N	Vame		John O'Brien				
Road Authority				ransporta	ation (Al	Г)			Review Date			25-Feb-2013					
Contract Main. A		CM/	-						Dept. Reviewer Name			Chris Black					
Clear Roadway/	Skew			deg. (LH	lF)				Dept.	. Revi	ew Date	9	14-Mar-2013	3			
AADT/Year				011 (A)					Follo	w-Up	Ву						
Road Classificat			J-211.	.8-110					-								
Detour Length (I		6				1											
Allowable Load (t): Sin	gle	CS1	28		Semi	CS	2 49		Train CS		53 62		> On Critical Spans >Critical Member			
Design Loading:			MS2	3											> Primary	Span	
								sting Ir	nforma	ation							
Required Load F	osting	(t)			Single				Semi			Truc	k Train				
Posted Loading	(t)				Single				S	Semi				Truc	k Train		
Posted:	Lane	١	١B		At Junction (Y/N)		1)	No	Ir	n Adv	ance (Y	7/N)	No	At B	ridge (Y/N)	No	
Posted:	Lane	SB		At Junction (Y/N)		1)	No	Ir	In Advance (Y/N)		No	At Bridge (Y/N)		No			
Remarks																	
Hazard Marker At Bridge (Y/N) No																	
Remarks Not required.																	
Other Sign Type	s																
							Uti	lities (L	ocate	d at)							
Utility Attachmer	nts								1								
Telephone	Telephone West r/w.								Gas								
Power	1 wire	e o/h E r/w, fence line.							Munio	cipal							
Others							Problem (Y/N) Yes										
Remarks	Utility	voids	s are	exposed	- photo.												
								Approa	1				tion				
	moret					Lá	ast	Now	Explanation of Condition								
Horizontal Alignment					7	7	Typical approaches @ both ends. 3% grade to the South, no passing.										
Vertical Alignment					6	6											
Roadway Width (m) 12.000 Approach Bump					<u> </u>	ACP	ACP transition @ South.		n.								
••				6	6												
Guardrail (Y/N) Yes						7	-										
Guardrail				4	7												
Length (m)			26.200					38m 3	SE, N	W. 26m	n SW	, NE.					
Current Standa	`	N)		Yes							n installe						
Termination Ty	/pe			Turn Do	own			4					f la stat		- h t		
Drainage							4	4	Erosi NW w			ner o	t bridge and u	under	abutment cap	, and along	
Approach Road	l Gene	eral R	ating	9			6	6									

		Í				tructure					
Bridge Con	-			Last		Explanation of Condition					
(Primary Sp	an : SM, 3 Spa	ns, Length	s(m): 11-11-11	, A-Ident	t Numb	per:)					
Special Fea	tures										
Special Fea	ture			7	5	4 per span.					
(Type : UN	IDERSLUNG D	DIAPHR)			_	Painted underslung beams corroded from leakage btwn girders.					
Special Fea	ture				Х						
(Type :)											
Wearing Su	rface/Deck Top	Detail Ratir	gs								
	N (%)	1 (%)	2 (%)	3 (%)							
Last	0	0	0		0						
Now	0.0	0.0	0.0	0).0						
Wearing Su	rface			4	4	Steel fibre reinforced concrete o/l.					
0	Type : CONCRE	ETE)				Two to five cracks along girder edges per span.					
	s(mm) : 50)	-•=/				Active leaking btwn G7-8, 8-9 all spans. Cracked on overlay @ A2.					
•	nection Problen	n Yes									
(Y/N)		1 103									
Deck Top				N	N						
Deck Rideal	oility			7	7						
Deck Joints					NI	Concrete deterioration at pieze % abute					
	1)	NLa		4	N	Concrete deterioration at piers & abuts.					
Bump (Y/N		No									
Deck Draina	•			4	4	No drains, slopes to N, erosion at NE; see wearing surface comments.					
Drains Clogged (Y/N)						Active leaking at pier (photo). No formal deck joints; not meant to be waterproof.					
Curbs/Media	an			3	3	75mm hole in curb top exposing void W curb S2; void filled with dirt					
(Curb Typ	e : Standard)					Light scaling. Plow scrapes. Chip over P1. 09May2011). 5 rebar spalls top of curb S3 E curb.					
Scaling (P	ercent Area)	5				(Void exposed at SW corner. 09May2011).					
Bridge Rail				3	5	Ends of bridgerail at all corners removed during install of new					
(Type : G	ALVANIZED ST		GE TUBE)			guardrail transitions.					
Bridge Rail I			,	7	7						
	LVANIZED PO	OST STEEL	GALVANIZED	POST							
· · · · ·	Posts Coating			7	7	1					
U						1					
Sidewalk	,			X	Х						
Girder Detai	Ratings										
	N (count)	1 (count)	2 (count)	3 (cou	unt)						
Last	10	0	0		0						
Now	0	0	0		0						
Girders	0		U	4	4						
Last Complete Inspection Date 09-May-2011						1					
Cracking (Y/N) No						Small spall off S3G1 corner - photo.					
						Bottom edges chipped where strengthening bolts installed - photo.					
Spalling (Percent Area) 0 Lift or Connector Pocket Yes Grouted (Y/N) Yes						(Six debonded curb lifting pockets. 09May2011). Voids exposed or under shallow cover all 4 corners - photo. No action for "4" rated girders; continue regular inspection.					
	Girders : 30)					Lift/connector pockets not visible.					
	,										
(Number Of	ment Problems	S				Potated horizontally slightly due to skow pressure and sow testh					
(Number Of Span Align	ment Problems					Rotated horizontally slightly due to skew pressure and saw toother					
(Number Of	/N)	s No Yes				Rotated horizontally slightly due to skew pressure and saw toothed 35mm over North pier.					

Alberta Transportation

					Subst	ructure				
Bridge Com	ponent			Last	Now	Explanation of Condition				
Abutments										
(Extended	Backwall Piles	s (Y/N) : N)				_				
(Extended	Backwall Piles	Spacing(mm):)							
(Total Numb	er of Caps/Cor	bels : 1:1)								
Bearing Sea	ts/Caps/Corbel	ls Detail Ratir	igs		_					
	N (count)	1 (count)	2 (count)	3 (cou	unt)	_				
Last	0	0	0		0					
Now	0	0	0		0					
Bearing Sea	ts/Caps/Corbe	ls		6	6	Scaling at W end of N cap.				
(Type : CC	NCRETE)					Void under both caps.				
(Depth(mn	n) : 650)									
(Width(mm	n) : 320)									
Backwalls/B	reastwalls			4	4	Void behind breastwall. TT planks not filled A1.				
Greatest H	leight (m)	2.00								
Wingwalls				6 6		SW wing pile close to face, cracking @ face.				
(Total Numb	er of Bearing F	Piles : 0:0)				7:7				
Piles Detail I						1				
	N (count)	1 (count)	2 (count)	3 (cou	unt)					
Last	0	0	0		0					
Now	0	0	0		0	-				
Piles				7	7	-				
Paint/Coatin	a			4	4	Sealer peeling off abutment concrete - photos. Stained abutment 2.				
						Piles rusty.				
Abutment Stability					5	Settlement of fill - 0.8m abutment 1, 0.4m abutment 2.				
Scour/Erosic	on			3	4	Gully started at NE corner due to drainage getting underneath abut. Erosion at NW/NE wingwalls from deck drainage.				
Piers/Bents										
(Type : PIE	ER-COLUMN)					S bent constructed 3.5 degree out of plumb, leaning W.				
(Total Numb	er of Caps/Cor	bels : 1:1)								
Bearing Sea	ts/Caps/Corbel	ls Detail Ratir	igs							
	N (count)	1 (count)	2 (count)	3 (cou	unt)					
Last	0	0	0		0					
Now	0	0	0		0	Staining on piers from jnt leakage.				
Bearing Sea	ts/Caps/Corbe	ls		6	6					
(Type : CC	NCRETE)									
(Depth(mn										
(Width(mm	n) : 650)									
(Total Numb	er of Bearing F	Piles : 7:7)								
Piles Detail I										
N (count) 1 (count) 2 (count) 3 (count)					unt)					
Last	0	0	0	0						
Now	0	0	0		0					
Pier Shaft/Piles			6	6						
Greatest Height (m) 5.00										
Bracing/Struts/Sheathing					X					
Nose Plate				X	X					
Paint/Coatin	g			4	4	Bottom 0.5m above water rusting, coating worn off P1, P7 @ pier 2.				
(Colour De	escription :)					Rusting from deck leaking; concrete sealer peeling. No action required.				
(Colour Co	ode:)					Light blue.				

Alberta Transportation

Substructure										
Bridge Component		Last	Now	Explanation of Condition						
Pier Stability		5	5							
Scour		N	N	Ice covered.						
Scoul		IN	IN							
Debris (Y/N)	ris (Y/N) No									
Substructure General Rating			5							
		s	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel										
(U/S Direction : W)										
(D/S Direction : E)										
Alignment		7	7							
Bank Stability			7							
HWM (m below Top of Curb)	HWM (m below Top of Curb)			HWM not visible.						
Drift (Y/N)	No									
Slope Protection		6	4	Erosion channel in N hslp.						
(Type : NATURAL; NATURAL)										
Guidebank/Spurs			Х							
Adequacy of Opening			7							
(Fish Compensation Measure 1 :	NONE)	1								
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		6	4							

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

00444 -1 Bridge

REPAIR/REPLACE BRIDGE RAIL 2013 Confirm transition to guardrail is acceptable. Image: Confirm transitis is	Maintenance Recommendations													
SEAL CURBS 2013 Grout hole in curb 0.05n3 NH. scile Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets if debonded. Image: Seal curb voids at ends so water can't pond inside Grout lift pockets at ends so grout lift pockets at els so grout curb ends of grides.	Inspector Recommendations	Year	Inspecto	or Comments		Department Com	ments		Target Year	Est. Cost	Cat #			
Seal curb voids at ends so water can't pond mide. Grout iff pockets if debonded. PATCH DECK 2013 Chipseal as short term repair. Image: Colspan="2" StraidGHTENREPLACE MEMBERS OVERLAY DECK 2013 Chipseal as short term repair. Image: Colspan="2" StraidGHTENREPLACE MEMBERS STRAIGHTENREPLACE MEMBERS Image: Colspan="2" StraidGHTENREPCAPS Image: Colspan="2" StraidGET Colspa="2" StraidGET Colspan="2" StraidGET Colspan="2" StraidGE	REPAIR/REPLACE BRIDGE RAIL	2013	Confirm	transition to guardrail is acce	eptable.									
Inside. Grout if pockets if debonded. Image: Structure for the pockets if debonded. Image: St	SEAL CURBS	2013	Grout he	ole in curb 0.05m3 NH.	. I									
Grout lift pockets if debonded. Grout lift pockets if debonded. General control c				rb voids at ends so water can	n't pond									
OVERLAY DECK 2013 Chipseal as short term repair. Image: Chipseal as short term repair. <				ft pockets if debonded.										
STRAIGHTEN/REPLACE MEMBERS I <tdi< td=""><td>PATCH DECK</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tdi<>	PATCH DECK													
WASHINGImage: ShortCRETE REPAIRSImage:	OVERLAY DECK	2013	Chipsea	al as short term repair.										
SHOTCRETE REPAIRS I	STRAIGHTEN/REPLACE MEMBERS													
CORE TIMBER CAPS/CORBELS Image: Second S	WASHING													
REPAIR/REPLACE TIMBER CAPS Image: Comparing the problem of the pr	SHOTCRETE REPAIRS													
REPAIR ABUTMENT SCOUR/EROSION PLACE ADDITIONAL RIP RAP REMOVE DRIFT ACCUMULATION2013Fill NE gully 5m3 pitrun.Image of the second sec	CORE TIMBER CAPS/CORBELS													
PLACE ADDITIONAL RIP RAPII	REPAIR/REPLACE TIMBER CAPS										_			
REMOVE DRIFT ACCUMULATIONInstall STRUTSImage: Structure of the point point		DN 2013	Fill NE g	gully 5m3 pitrun.										
INSTALL STRUTSImage: state s														
OTHER ACTION2013Fill void under both abutment caps and redirect drainage away from abutment.Image away from abutment.Im											_			
drainage away from abutment.drainage away from abutment. <td></td> <td>_</td>											_			
OTHER ACTION 2013 Paint pier piles. Image: consider sealing abuts. Image: consider sealing abutsealing abutsealing abutsealing abutsealing abutsealing abutsealin	OTHER ACTION	2013	Fill void under both abutment caps and redirect drainage away from abutment.											
OTHER ACTION2013Consider sealing abuts.Image: Consider wrap around bulkheads at abuts & consider wrap around bul	OTHER ACTION	2013	Set app	roach rail to standard height.										
OTHER ACTION 2013 Consider wrap around bulkheads at abuts & koke joints at piers to protect ends of girders. Image: Consider wrap around bulkheads at abuts & koke joints at piers to protect ends of girders. Est. Repl. Yr 2029 Maint. Reqd. (Y/N) Yes Special Comments for Next Inspection $V = V = V = V = V = V = V = V = V = V =$	OTHER ACTION	2013	Paint pie	er piles.										
koke joints at piers to protect ends of girders.Koke joints at piers to pier	OTHER ACTION	2013	Conside	er sealing abuts.										
(%) (%) Special Comments for Next Inspection Maintenance Reviewed By Date Estimated Total	OTHER ACTION	2013	Conside koke joi	er wrap around bulkheads at a nts at piers to protect ends of	abuts & f girders.									
Comments for Next Inspection Comments Maintenance Reviewed By Date Estimated Total 0	Structural Condition Rating (Last/No. (%)	ow) 50.0	/50.0	Sufficiency Rating (Last/N (%)	Now) {	56.0/54.2	Est. Repl. Yr	2029	Maint. Red	qd. (Y/N)	Yes			
Next Inspection Image: Constraint of the second s	Special													
Maintenance Reviewed By Date Estimated Total 0						Comments								
	Next inspection													
	Maintenance Reviewed By					Date		F	- stimated Total	0				
Floposed Long-Term Strategy	· · · · · ·					Date				0				
	Proposed Long-Term Strategy													
On 3-Year Program (Y/N)	On 3-Year Program (Y/N)													
Proposed Action	Proposed Action													
Previous Inspector's Name Owen Salava Previous Assistant's Name	Previous Inspector's Name	Owen Salav	a		Previous /	Assistant's Name								
Next Inspection Date 13-Nov-2014 Previous Inspection Date 09-May-2011	Next Inspection Date	13-Nov-201	4		Previous Inspection Date 09-May-2011									
Inspection Cycle (Default) (months) 21	· · · · ·	21												
	Comment													