							:	Bridge Ir	nspec	tion						
Bridge File Number 76558 -1 E								Form Type			PSR					
Year Built/Year 1970/1970								Lot N	Lot No.			4				
Supstr									Inspector Name			Shane Hall				
Bridge or Town Name ENTRAN									Inspe	Inspector Class			BR CLS A			
Located Over WILDHAY				Y RIVER, 8.11.118.3, WATERCRS-					Assistant Name							
Located On					36.014				Assistant Class							
Water Body Cl./	Year								Inspection Date			17-Oct-2012				
Navigabil. Cl./Year									Data	Entry	Ву		Theresa Lacusta			
Legal Land Location SW SEC			SEC 9	7 9 T VVT 33 TKGL ZT VV3IVI						Entry			26-Nov-2012			
Longitude, Latitude -117:55:14			:55:14	14, 53:33:32					Reviewer Name			Eric Carcoux				
Road Authority		Albe	rta Tra	ansporta	ation (Al	T)			Review Date			19-Nov-2012				
Contract Main. A	rea	CMA	13							Dept. Reviewer Name						
Clear Roadway/	Skew	9.1 /	-25 d	eg. (LHI	=)						ew Date	е	06-Dec-2012	2		
AADT/Year		2,04	0 / 20	11 (A)					Follo	w-Up	Ву					
Road Classificat	ion	RAU	J-209-	110												
Detour Length (I	km)	420														
Allowable Load	(t): Sir		CS1 4			Semi		S2 55			Train		33 76		> On Critical Spans >Critical Member	
Design Loadings				DER			G	IRDER			GIF		RDER		> Critical Member	
Design Loading:			HS20				P	osting Ir	nform	ation					> Primary 3	Span
Required Load F	Postino	(t)		Single			Posting in			Semi			Truck Train			
Posted Loading		. ( )		Single						Semi			Truck Train			
Posted:	Lane	N	 1B			ction (Y/N)		No	In Advance (Y/I		//N)	No			No	
Posted:	Lane		BB		At Junction (Y/N			No			ance (Y		No	At Bridge (Y/N) No		-
Remarks	Not re	quire	ed.												<b>5</b> ( )	
Hazard Marker				Yes												
Remarks																
Other Sign Type	s			Informa	tion, Cu	rve on S	SB, "	Wild Ha	y Rive	r" @ S	SE.					
							Ut	ilities (L	Locate	ed at)						
Utility Attachmen	nts															
Telephone	East r	/w an	nd wes	st r/w.					Gas							
Power									Muni	Municipal						
Others									Prob	Problem (Y/N) No						
Remarks																
								Approa								
						L	.ast		Explanation of Condition							
Horizontal Aligni							7	7		Private intersection 100m North. Limited sight distance and curves, horizontal & crest. No passin				o passing SR		
Vertical Alignme	nt						6	6	Bridg	Bridge on uphill grade to South.						
Roadway Width	(m)			9.500												
Approach Bump					6	6										
Guardrail (Y/N)				Yes					Insuf	Insufficient posts, no thrie beam.						
Guardrail						5	5									
Length (m)			64.600													
Current Stand	ard (Y/	N)		No												
Termination Ty	/ре			Turned	Down											
Drainage							N	6								
Annroach Road	l Gene	ral P	ating				6	6								
Approach Road General Rating			ating													

						Supers	structure				
Bridge Com	ponent					Now					
	an : <b>FC, 3 Spa</b>	ıns, Lengt	ths(m	n): 21.3-21.3-2	21.3, A-	-Ident I	_				
Special Fea	tures										
Special Feat	ture				8	8	30mm dia epoxy coated dywidag tierod @ each interior diaphragm.				
(Type : EX	(Type : EXT LATER POST TENS)										
	Special Feature					X					
(Type:)											
	face/Deck Top	Detail Ra	atings								
	N (%) 1 (%)										
Last	100	0				0					
Now											
Wearing Sur	Wearing Surface				N	5	S2 and S3 SB have wide intermittent longitudinal cracks and random				
	ype : CONCR	ETE - CO	NVE	NTIONAL CH	IP SEA		cracks08-Feb-2009				
COAT)							Wearing at deck joints				
(Thickness	s(mm) : <b>50</b> )										
Lateral Conr (Y/N)	nection Proble	m Ye	es								
Deck Top					N	N					
Deck Rideab	oility				7	7					
Deck Joints	Deck Joints				4	5	Remenants of old trough @ S abut. and rusted girder side splash				
Temperatu	Temperature (deg. C) 3						guard at both abuts.				
(Expansion	n Type : <b>FING</b> I	ER PLATE	ES;G	LAND (WAB	D-MAU	ER,					
TRÂNSFL	• • • • • • • • • • • • • • • • • • • •						_				
	e : <b>GLAND (V</b>				K, EIC	<b>)</b> )	_				
Gap Size (	mm)		•	ocation			_				
45 S. abut											
83			S. pier				-				
80			l piei								
80		IN IN	N. abu	IT			_				
							-				
Dook Draina	a.				1	E	Ctoop grade drain to North down at anot branchuall 9 girder and				
Deck Draina		Nie			4	5	Steep grade, drain to North. damp at seat, breastwall & girder ends. No deck drains.				
Curbs/Media	gged (Y/N)	No	,		N.I.						
	···				N	5	Several areas on top of both curbs with low cover on rebar and r staining - not repairable.				
	e : Standard)	10					-				
	ercent Area)	10			-	-	Describes matter and an artist of the state				
Bridge Rail	1 \/A \#ZED O	TEEL DO	IDOT	TUDE'	7 7		Base plate rusting, galvanize reaction with grout.				
` • •	LVANIZED S	IEEL BRI	IDGE	IORF)							
Bridge Rail F			_, _	A	6 6		-				
(Type : GA STEEL)	LVANIZED P	OST STE	EL;G	ALVANIZED	POST						
Bridge Rail/Posts Coating					5 5						
(Type : GALVANIZED)											
Sidewalk					Х	Х					
Girder Detail	Ratings										
Onder Detail	N (count)	1 (count	.)	2 (count)	3 (cou	ınt)	S2 girders viewed from banks.				
Last	6	0	,	0		2	g as.s nonea nom parmo.				
Now						2					
.1017				I .		_					

		9	Suners	tructure				
Bridge Component				Explanation of Condition				
(Primary Span : FC, 3 Spans,	Lengths(m): 21.3-21.							
Girders		3	3	S3, rust spots @ most girder ends. S2/G1, exposed rebar @ North				
Cracking (Y/N)	king (Y/N) Yes			end. S1/G6 long cracks in W leg in 2 locations, corrosion stains from				
Spalling (Percent Area) 0				stirrups.				
(Number Of Girders : 18)				S1G6 & S3G1 wide vetical crack with rust stain @ N end of girder-photo.				
				S3G1 cracks and spall with exposed rebar due to low coverphoto				
				S2 - several girders with rust staining on underside of legs due to low cover on rebar.				
Diaphragms/Cross Frame		4	4	Efflorescence stains on G1 @ A1, A2, P1 & P2. Exposed rebar @				
				G1, G2,P2.				
Bearings		6	6	Grout pad spalled at NE abutment seat.				
Temperature (deg. C)	3			Pier bearings insp. from headslopes.				
(Expansion Type : REINFOR		EARING W	/ITH					
TEFLON AND STAINLESS	STEEL)							
(Fixed Type : PINNED BEAR	ING)							
Coating Adequate (Y/N)	Yes							
Functioning (Y/N)	Yes							
Deck Underside		6	5	Staining @ top diaphragms. Staining at S3G1 from weep tubes.				
Stains (Percent Area)	2			Rust staining around diaphragm @ S end of 3363.				
Span Alignment Problems								
Vertical (Y/N)	No							
Horizontal (Y/N)	No							
Superstructure General Ratin	ng	3	3					
			Subst	ructure				
Bridge Component		Last	Now	Explanation of Condition				
Abutments		1=33-5	1-1-0-11					
Bearing Seats/Caps		7	7	8				
(Type : <b>CONCRETE</b> )								
Backwalls/Breastwalls		6	6					
NAC II								
Wingwalls		6	6					
Piles		N	N					
Paint/Coating		6	6					
Abutment Stability		7	7					
, , , , , , , , , , , , , , , , , , ,								
Scour/Erosion		3	5					
Piers/Bents								
(Type : PIER-SOLID)				Stained from previous leaky joint.				
Bearing Seats/Caps		6	6	,				
(Type : CONCRETE)		'						
(Total Number of Bearing Piles	: 0:0)							
Pier Shaft/Piles	,	7	7					
Bracing/Struts/Sheathing		Х	Х					
N. D.								
Nose Plate		8	8					
Paint/Coating		6	6					
(Colour Description : RED)								
(Colour Code : 21310)								
Pier Stability		8	8					

			0 1 1						
Substructure									
Bridge Component		Last	Now	Explanation of Condition					
Scour			6	Iced over.					
Debris (Y/N)	Yes			@ P1 -drift					
Substructure General Rating			6						
		S	Structu	re Usage					
		Last	Now	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)				HWM not visible.					
Drift (Y/N)	Yes			Some accumulation at South bank.					
Slope Protection		4	6	Class 2 North & South toe only.					
(Type: RIP RAP; RIP RAP)									
Guidebank/Spurs		Х	Х						
Adequacy of Opening			7						
(Fish Compensation Measure 1	: NONE)								
(Fish Compensation Measure 2	: NONE)								
Channel General Rating		7	6						

Bridge Inspection & Maintenance System (Web 2005)

76558 -1 Bridge

		Maintenance	Recommend	lations					
Inspector Recommendations	Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL									
GALVANIZE/PAINT BRIDGE RAIL									
SEAL CURBS									
PATCH DECK									
SEAL DECK									
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS									
RESET/ PAINT BEARINGS									
WASHING									
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROSIC	ON								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 50.0/50	Sufficiency Rating (La (%)	st/Now)	59.3/57.7	Est. Repl. Yr	2032	Maint. Re	qd. (Y/N)	No
Special Monitor girder crack Comments for Next Inspection	ing.			Department Comments					
Maintenance Reviewed By				Date		E	Estimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Shane Hall		Previous	Assistant's Name					
Next Inspection Date	17-Jul-2014		Previous	evious Inspection Date 24-Nov-2010					
Inspection Cycle (Default) (months)									

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

76558 -1 Bridge

Comment