							В	ridge Ir	spection						
Bridge File Number 01938 -1 Bridge							Form Type			PSR					
Year Built/Year								Lot No.		1	l				
Supstr							Inspector Name		Owen Salava						
Bridge or Town Name THREE HILLS				) \A/A T	-00	DO 0T	Inspector Class		BR CLS A						
Located Over GHOSTPINE CREEK, 3.50, WA				), WATE	=RC	RS-S1	Assistant Name								
Located On	\/	27:1	0 C1	12.085					Assistant	Class					
Water Body CI./									Inspection Date 24-Oct-2012						
Navigabil. Cl./Year									Data Entry By			Marcia Chavez			
3			16 TWP 31 RGE 22 W4M					Data Entry Date			08-Nov-2012				
								Reviewer Name			John O'Brien				
Road Authority	\	1		ansporta	ation (AIT	)			Review Da	ate		29-Oct-2012	2		
Contract Main. A		CMA							Dept. Rev	iewer	Name	Andrew Smi	ikles		
Clear Roadway/	Skew	10.2		\dd (A)					Dept. Rev	iew D	ate	19-Nov-201	2		
AADT/Year				)11 (A)					Follow-Up	Ву					
Road Classificat			J-210-	-110					-						
Detour Length (		6	11.40			0				T				0.011.10	
Allowable Load	(t): Sir	ngie	H 42 GIRE			Semi		S 56 RDER		Trair		CS3 90 GIRDER		> On Critical Spans> Critical Member	
Design Loading:			HS20	)										> Primary Span	
							Ро	sting Ir	nformation						·
Required Load F	Required Load Posting (t)				Single				Semi				Truc	k Train	
Posted Loading (t)			Single					Semi				Truck Train			
Posted:	• • • • • • • • • • • • • • • • • • • •			At Junction (Y		tion (Y/N	۷)	No	In Advance (Y/N		(Y/N)	No	At Bridge (Y/N) No		No
Posted:				tion (Y/N	(Y/N) No		In Advance (Y/N)		No	At Bı	ridge (Y/N)	No			
Remarks Not required.															
Hazard Marker A	At Brid	lge (Y	/N)	No											
Remarks				Not requ	uired.										
Other Sign Type	S														
				Uti	ilities (L	ocated at)									
Utility Attachmer	nts														
Telephone	South	n fenc	eline.						Gas						
Power	North	Row							Municipal						
Others									Problem (	Y/N)	No	0			
Remarks															
								Approa	ch Road						
						L	ast	Now	Explanati						
Horizontal Aligni							7	7	Approache Hills both		all 4 co	rners.			
Vertical Alignme				I			5	5	Tillis botti	erius.					
Roadway Width	` '			9.700											
Approach Bump					7	7									
		Yes					Minor acc	Minor accident damage to NW.							
Guardrail					4	5	0.1.10.0.5			_					
, , , , , , , , , , , , , , , , , , ,		19.000					Only 19m	@ SV	V corne	er, 49m at oth	er 3 c	orners.			
Current Standard (Y/N) No															
Termination Type TURNED DOWN			1												
Drainage				3	3	(Gap between concrete approach slab and curb @ all corners. 17Feb2009).  Eroding under SE trough drain and eroding SE abut. corner - phot Eroding NE abut corner (photo).  Void under approach slab.									
Approach Road	d Gene	eral R	ating				5	5							

Bridge Component						Supers	tructure			
Special Feature	Bridge Comp	oonent								
X	(Primary Span: PM, 3 Spans, Lengths(m): 16.8-16.8, A-Ident Number: )									
Special Feature										
Special Feature	Special Featu	ıre				X				
Type :						1				
Wearing Surface/Deck Top Detail Ratings	-	ıre				X				
N(%)   1 (%)   2 (%)   3 (%)										
State	Wearing Surface/Deck Top Detail Ratings									
Now   10.0   0.0	_									
Wearing Surface   6   6   6		-		-						
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT) (Thickness(mm) - 50) Lateral Connection Problem (Yes (YN)) Deck Top			0.0	0.0						
Chickness(mm): 50   Stains under grout keys.   Stains under grout keys.							Cracked over joints and random cracking.			
Lateral Connection Problem (YN)  Deck Top  Deck Rideability  6 6 6  Deck Joints  Temperature (deg. C) -2 (Expansion Type :)  (Fixed Type : ASPHALTIC FIBRE BOARD)  Gap Location  Deck Drainage  Deck Drainage  3 3 3  Deterioration of girders at all spans along curb line. Leakage through G1 & G2 @ all spans. No deck drains.  Curbs Median  (Curb Type : Standard)  Scaling (Percent Area)  Fig. GALVANIZED POST STEEL;		•	ONVENTION	AL CHIP SEA	L COA	Γ)				
CYN							Stains under grout keys.			
Deck   Deck   Joints	Lateral Conn (Y/N)	ection Problem	n Yes							
Deck Joints Temperature (deg. C) -2 (Expansion Type : ) (Fixed Type : ASPHALTIC FIBRE BOARD) Gap Size (mm) Gap Location  Deck Drainage Drains Clogged (Y/N) No Deck Drainage Drains Clogged (Y/N) No Curbs/Median (Curb Type : Standard) Scaling (Percent Area) Bridge Rail (Type : GALVANIZED STEEL FLEX BEAM) Bridge Rail Posts (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED) Sidewalk  X X  Siderer Detail Ratings N (count) 1 (count) 2 (count) 3 (count) Last No	Deck Top				N	N				
Temperature (deg. C)	Deck Rideab	ility			6	6				
Temperature (deg. C)	Deck Joints				N	N	Paved over. Cracked through ACP.			
Circle Type : ASPHALTIC FIBRE BOARD    Gap Size (mm)	Temperatui	re (deg. C)	-2				_			
Deck Drainage	(Expansion	Type:)								
Deck Drainage Drains Clogged (Y/N) No Deterioration of girders at all spans along curb line. Leakage through G1 & G2 @ all spans. No deck drains.  (Rebar exposed @ SE @ one isolated area. 17Feb2009).  (Rebar exposed @ SE @ one isolated area. 17Feb2009).  (Rebar exposed @ SE @ one isolated area. 17Feb2009).  Double layer.  (Type: GALVANIZED STEEL FLEX BEAM) Bridge Rail Posts TType: GALVANIZED POST STEEL;GALVANIZED POST STEEL;  Bridge Rail/Posts Coating STEEL) Bridge Rail/Posts Coating STEEL)  Bridge Rail/Posts Coating STEEL SIGHLYANIZED  Sidewalk X X   Girder Detail Ratings N (count) Last 0 0 0 1 Now 0 0 0 0 4  Girders 3 3 3  G1 in all spans and S2G2 in have cracks with corrosion stains. Horizontal crack 810mm long at fascia of S3G1 at abut, no staining. S3G1 720mm long crack/delam on underside at A2.	(Fixed Type	: ASPHALTI	C FIBRE BO	ARD)						
Drains Clogged (Y/N) No Leakage through G1 & G2 @ all spans. No deck drains.  Curbs/Median										
Drains Clogged (Y/N) No Leakage through G1 & G2 @ all spans. No deck drains.  Curbs/Median										
Drains Clogged (Y/N) No Leakage through G1 & G2 @ all spans. No deck drains.  Curbs/Median										
Drains Clogged (Y/N) No Leakage through G1 & G2 @ all spans. No deck drains.  Curbs/Median										
Drains Clogged (Y/N) No Leakage through G1 & G2 @ all spans. No deck drains.  Curbs/Median										
Drains Clogged (Y/N) No Leakage through G1 & G2 @ all spans. No deck drains.  Curbs/Median										
Drains Clogged (Y/N) No Leakage through G1 & G2 @ all spans. No deck drains.  Curbs/Median										
Curbs/Median 4 4 4 (Curb Type : Standard) Scaling (Percent Area) 5  Bridge Rail 6 6 6 (Type : GALVANIZED STEEL FLEX BEAM) Bridge Rail Posts 7 7 (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating 5 5 (Type : GALVANIZED)  Sidewalk X X  Girder Detail Ratings    N (count)   1 (count)   2 (count)   3 (count)   Last   0   0   0   1 Now   0   0   0   4  Girders 3   3  Cracking (Y/N) Yes Spalling (Percent Area)   0	Deck Drainag	je			3	3	Deterioration of girders at all spans along curb line.			
Curb Type: Standard) Scaling (Percent Area) 5  Bridge Rail 6 6 6 (Type: GALVANIZED STEEL FLEX BEAM) Bridge Rail Posts 7 7 (Type: GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating 5 5 (Type: GALVANIZED) Sidewalk X X  Girder Detail Ratings  N (count) 1 (count) 2 (count) 3 (count) Last 0 0 0 1 Now 0 0 0 4  Girders 3 3  Cracking (Y/N) Yes Spalling (Percent Area) 0  (Rebar exposed @ SE @ one isolated area. 17Feb2009).  (Rebar exposed @ SE @ one isolated area. 17Feb2009).  (Rebar exposed @ SE @ one isolated area. 17Feb2009).  (Rebar exposed @ SE @ one isolated area. 17Feb2009).	Drains Clog	ged (Y/N)	No				Leakage through G1 & G2 @ all spans.  No deck drains.			
Curb Type : Standard    Scaling (Percent Area)   5	Curbs/Media	n			4	4				
Scaling (Percent Area)   5					T	T	(1.155. SAPSOON S OF S ONO IDUITION WIND. 171 002000).			
Bridge Rail			5							
(Type : GALVANIZED STEEL FLEX BEAM)  Bridge Rail Posts 7 7  (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)  Bridge Rail/Posts Coating 5 5  (Type : GALVANIZED)  Sidewalk X X  Girder Detail Ratings  N (count) 1 (count) 2 (count) 3 (count)  Last 0 0 0 0 1  Now 0 0 0 4  Girders 3 3  Cracking (Y/N) Yes  Spalling (Percent Area) 0  Girder Detail spans and S2G2 in have cracks with corrosion stains. Horizontal crack 810mm long at fascia of S3G1 at abut, no staining. S3G1 720mm long crack/delam on underside at A2.		. 307 (104)			6	6	Double laver			
Bridge Rail Posts		LVANIZED ST	EEL FI FX F	BEAM)						
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)           Bridge Rail/Posts Coating         5         5           (Type : GALVANIZED)         X         X           Sidewalk         X         X           Girder Detail Ratings         Value of the count o					7	7				
Sidewalk   X   X   X     Sidewalk   X   X     Sidewalk   X   X     Sidewalk   X   X     Sidewalk   X   X   X   Sidewalk   X	(Type : GA		ST STEEL;	GALVANIZED						
Cracking (Y/N)   Yes   Spalling (Percent Area)   Sidewalk   X   X   X   X   X   X   X   X   X	,	osts Coating			5	5				
X   X   X										
Girder Detail Ratings    N (count)   1 (count)   2 (count)   3 (count)					X	X				
N (count)   1 (count)   2 (count)   3 (count)	Jidowalk									
Last     0     0     0     1       Now     0     0     0     4       Girders     3     3       Cracking (Y/N)     Yes     G1 in all spans and S2G2 in have cracks with corrosion stains. Horizontal crack 810mm long at fascia of S3G1 at abut, no staining. S3G1 720mm long crack/delam on underside at A2.	Girder Detail	Ratings								
Now 0 0 0 4  Girders 3 3  Cracking (Y/N) Yes Galling (Percent Area) 0 4  Girders 3 3  G1 in all spans and S2G2 in have cracks with corrosion stains. Horizontal crack 810mm long at fascia of S3G1 at abut, no staining. S3G1 720mm long crack/delam on underside at A2.		N (count)	1 (count)	2 (count)	3 (cou	unt)				
Girders  Cracking (Y/N)  Spalling (Percent Area)  Girders  3  G1 in all spans and S2G2 in have cracks with corrosion stains. Horizontal crack 810mm long at fascia of S3G1 at abut, no staining. S3G1 720mm long crack/delam on underside at A2.	Last	0	0	0		1				
Cracking (Y/N) Yes G1 in all spans and S2G2 in have cracks with corrosion stains. Horizontal crack 810mm long at fascia of S3G1 at abut, no staining. S3G1 720mm long crack/delam on underside at A2.	Now	0	0	0		4				
Spalling (Percent Area)  Horizontal crack 810mm long at fascia of S3G1 at abut, no staining. S3G1 720mm long crack/delam on underside at A2.	Girders				3	3				
Spalling (Percent Area) 0 S3G1 720mm long crack/delam on underside at A2.	Cracking (Y	′/N)	Yes				G1 in all spans and S2G2 in have cracks with corrosion stains.  Horizontal crack 810mm long at fascia of S3G1 at abut, no staining			
(Number Of Girders : <b>36</b> )	Spalling (Percent Area) 0						S3G1 720mm long crack/delam on underside at A2.			
	(Number Of 0	Girders : 36)								

			Supers	tructure
Bridge Component		Last		Explanation of Condition
(Primary Span : PM, 3 Spans, Lo	enaths(m): 16.8-16.8-			-
Diaphragms/Cross Frame	<del>-                                    </del>	X	Х	,
., ., ., ., ., ., ., ., ., ., ., ., ., .				
Bearings			7	
Temperature (deg. C) -2				
(Expansion Type : <b>NEOPRENE</b>	STRIP BEARING)			
(Fixed Type : NEOPRENE ST	RIP BEARING)			
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		4	4	Stains coming between girders.
Stains (Percent Area)	10			Worst along south exteriors.
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		3	3	
				ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments		1	1	
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )		1		
Backwalls/Breastwalls		N	7	Backwalls behind girders, not visible; breastwall rated.
Wingwalls		7	7	
viiigwalis		'	'	
Piles			N	Buried
Paint/Coating			5	
Abutment Stability		7	7	
A Satisfied Classific				
Scour/Erosion		3	3	8m x 5m x 1m deep erosion undermining SE abut. & erosion gully at
				NE hslp. Void under NE approach slab.
Piers/Bents				- State and the approach state
(Type : PIER-COLUMN)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)		'		
(Total Number of Bearing Piles :	6-6)			
Pier Shaft/Piles	<u></u>	8	8	
Bracing/Struts/Sheathing		8	8	
Draomy/orrats/orreathing		J		
Nose Plate		7	7	
<b>-</b> 1.42			_	
Paint/Coating			5	
(Colour Description : BLUE)				
(Colour Code : 15182)		7	1 -	
Pier Stability			7	
Scour			7	
	1	7		
Debris (Y/N)	Yes			Precast girder 10m D/S - also rebar in channel under bridge.
Substructure General Rating 7				

		5	re Usage	
			Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		8	8	
Bank Stability			7	
HWM (m below Top of Curb)	HWM (m below Top of Curb)			HWM not visible.
Drift (Y/N)	t (Y/N)			
Slope Protection		7	7	Erosion from approach drainage.
(Type: RIP RAP; RIP RAP)				
Guidebank/Spurs		Х	X	
Adequacy of Opening			8	
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating			7	

Alberta Transportation

Alberta Transportation

Comment

			Maintenance Recommer	dations					
Inspector Recommendations	Year	Inspecto	or Comments	Department 0	Comments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL									
GALVANIZE/PAINT BRIDGE RAIL									
SEAL CURBS	2013	Patch c	urb, if not done.	At rehab			2014		
PATCH DECK	2013	Restore	grout keys.	At rehab	At rehab				
SEAL DECK									
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS									
RESET/ PAINT BEARINGS									
WASHING									
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROSION	2013	40m3 pi	it run CL1 at E hslp.	At rehab			2014		
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION	2013	Fill gap	@ all corners.	At rehab			2014		
OTHER ACTION	2013	Patch g	irder @ S1G1, S2G1, S3G1 & S2G2.	At rehab			2014		
OTHER ACTION	2013	Grout ea	ast approach slab void.	At rehab			2014		
OTHER ACTION	2013	Remove	e girder and rebar from channel.	At rehab			2014		
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)	55.6/5	5.6	Sufficiency Rating (Last/Now) (%)	71.7/71.6	Est. Repl. Yr	2030	Maint. Re	qd. (Y/N)	Yes
Special Monitor marked crack a Comments for Next Inspection	Department Comments	Rehab programmed fo	or 2014						
Maintenance Reviewed By And	rew Smikl	es		Date	20-Dec-2012		Estimated Tota	ıl O	
-			ld be good until 2031 with normal ma						

On 3-Year Program (Y/N)			
Proposed Action			
Previous Inspector's Name	Owen Salava	Previous Assistant's Name	
Next Inspection Date	24-Jul-2014	Previous Inspection Date	21-Dec-2010
Inspection Cycle (Default) (months)	21		
Comment			