						Ві	ridge l	nspectio	on						
Bridge File Number 00116 -1 Bridge							Form T	уре			PCS				
Year Built/Year		1963/196	3					Lot No				1			
Supstr								Inspec	tor Na	ame		Dave Lam			
Bridge or Town	Name							Inspec	tor Cl	ass		BR CLS A			
Located Over		THREEF  ST	IILLS CR	EEK, 3.50	).2, WA	TER	RCRS-	Assista	ant Na	ame					
Located On		590:02 C	1 23.915					Assista	ant Cla	ass					
Water Body Cl./	Year							Inspec	tion D	ate		14-Jul-2011			
Navigabil. Cl./Y	ear							Data E	ntry E	Ву		Marcia Cha	vez		
Legal Land Loc		SE SEC	25 TWP	35 RGE 2	26 W4M			Data E	ntry [	Date		13-Aug-201	1		
Longitude, Latit	ude	-113:35:1	14, 52:01	:35				Review	ver Na	ame		John O'Brie			
Road Authority		Alberta T	ransporta	ation (AIT	)			Review	v Date	)		27-Jul-2011			
Contract Main. Area CMA19								Dept. F	Revie	wer Na	me	Andrew Sm	ikles		
Clear Roadway/Skew 8.3 /								Dept. F			;	23-Aug-201	1		
AADT/Year 760 / 2010 (A)							Follow-	-Up B	У						
Road Classification RCU-209-110															
Detour Length (km) 6															
Allowable Load	wable Load (t): Single CS1				Semi		2 49		Т	rain	CS	3 65		> On Critic	cal Spans
<b>D</b> : I I:	GIRDER				GIF	RDER				GII	RDER		>Critical N		
Design Loading: HS20					Do	otina l	nformat	ion					> Primary	Span	
Required Load Posting (t) Single				FO	sung II	nformat					Truc	k Train			
Posted Loading (t) Single  Single										ıck Train					
Posted:	Lane				ion (V/N	1) 1	No	In Advance (Y/N)		No			No		
Posted:	Lane						No	In Advance (Y/N) No			At Bridge (Y/N) No At Bridge (Y/N) No				
Remarks Not required.				011 ( 1711	4 <i>)</i>   1	140	111	Auvai	100 (1	/1 <b>\</b>	INO	רו טו	lage (1/14)	110	
Hazard Marker At Bridge (Y/N) No															
• '			Not req												
Other Sign Types			Not required.												
outer organ type						Util	lities (l	Located	at)						
Utility Attachme	nts						,		,						
Telephone South of bridge.						Gas									
Power	3 wire 15m N.						Munici	pal							
Others		710 TOTT 14.							Problem (Y/N) No						
Remarks									`						
						P	Approa	ach Road	d						
				La	ast	Now	Explanation of Condition								
Horizontal Align						8	8								
Vertical Alignme						8	8								
Roadway Width	` '		8.500					E appr	oach	EBL h	as v	alve exposed	d, miss	ing steel cap	(photo).
Approach Bump	)					7	7								
Guardrail (Y/N)			Yes												
Guardrail						7	7								
Length (m)			42.000					Not thr	iehea	m tran	sitio	n			
Current Stand		N)	No					1400 1111	iobea	uali	Sitio				
Termination T	уре		TURND	OWN EN	DS		1								
Drainage						7	7								
Approach Roa	d Gene	ral Ratin	n			7	8								
pp. odon itod	50110	Ratiff	5			•									

					Supers	structure
Bridge Component					Now	Explanation of Condition
(Primary Span : <b>HC</b> , <b>3 Spans</b> , <b>Lengths(m)</b> : <b>6.1-6.1-6.1</b>						•
Special Features						
Special Feature					X	
(Type:)						
Special Feature					X	
(Type:)					_	
	ace/Deck Top	Detail Ratin	as			
	N (%)	1 (%)	2 (%)	3 (%)		
Last	(1.1)	(**)	(**)	- ()		
Now	0.0	0.0	0.0	(	0.0	
Wearing Surf	face	•	•	4	7	
(Material Type : <b>ACP</b> )						
(Thickness(mm) : <b>50</b> )						
Lateral Connection Problem No						
(Y/N)						
Deck Top				4	N	
_						
Deck Rideability			5	7		
Deck Joints				N	N	Paved over but ACP cracked over all jnt locations (photos).
	Bump (Y/N) No			IN	111	Taved over but hor cracked over all jill locations (priotos).
		INO		7	7	
Deck Draina		N <sub>a</sub>		1	/	
Drains Clog		No				
Curbs/Media				6	4	Cracked under some posts on exterior (photo). Scaling/delam exposing rebar at N side (photo).
	: Standard)					-
	ercent Area)	0			Τ_	
Bridge Rail				7	7	Double layer.
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> ) Bridge Rail Posts				T _	Ι_	With TT blocks
(Type : GALVANIZED POST STEEL;GALVANIZED			7	7	With TT blocks.	
STEEL)			POST			
Bridge Rail/Posts Coating			7	7		
(Type : <b>GALVANIZED</b> )						
Sidewalk			X	X		
Girder Detail	Girder Detail Ratings		3 (count)			
1	N (count)	1 (count)	2 (count)	3 (count)		-
Last	0	0	0	0		
Now	0	0	0		0	0404.0.7.40, 0004.4.0.40, 0004.0.0.40.1
Girders	to loon '	) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1.0044	4	4	S1G1,3,7,10; S2G1-4,8,10; S3G1-2,6,10 long. crack in one leg, most extend into AZ
Last Complete Inspection Date 14-Jul-2011					No spalls.	
Cracking (Y/N) Yes						Can't measure bearing length but 73mm to edge of dowel & some dowels missing cap.
Spalling (Percent Area) 1  Lift or Connector Pocket Yes						
Conne Grouted (Y/N		Yes				
(Number Of 0	Girders : 30)					
Span Alignm	nent Problems	s				
Vertical (Y/	N)	No				Curb girder & 1st interior not bearing fully on N end of E pier - photo.
Horizontal	(Y/N)	Yes				
Superstruct	ure General R	ating		4	4	

					tructure							
Bridge Component L					Now	Explanation of Condition						
Abutments												
(Extended Backwall Piles (Y/N) : Y)												
(Extended Backwall Piles Spacing(mm) : 1500)												
(Total Number of Caps/Corbels : 1:1)						(Caps have been cored. 19Mar2005).						
Bearing Seats/Caps/Corbels Detail Ratings						(Repaired fall of 1996. 19Mar2005).						
	N (count)	1 (count)	2 (count)	3 (cou	unt)							
Last					·							
Now	0	0	0		0							
Bearing Sea	ts/Caps/Corbe	ls	·	5	5							
(Type : <b>TR</b>	EATED TIMBE	ER)										
(Depth(mm) : <b>305</b> )												
(Width(mm												
Backwalls/B	· · · · · · · · · · · · · · · · · · ·			7	7	E backwall has front sheathing installed, full height (photo).						
		1.00		- '		2 Sackwaii Hao Hotil Gricalining installed, fall Holghi (prioto).						
Greatest Height (m) 1.00  Wingwalls					X							
Wingwalls					^							
(Total Numb	er of Bearing F	Piles : <b>7:7</b> )										
Piles Detail Ratings												
	N (count)	1 (count)	2 (count)	3 (cou	unt)							
Last												
Now	7	0	0		0	Only W abut piles rated.						
Piles				7	7							
Paint/Coatin	g			X	Х							
A1				_								
Abutment Stability			6	6								
Scour/Erosion			5	5								
Coodifictosion			3	3								
Piers/Bents												
(Type : PIER-COLUMN)						E cap is not centered under precast, worst at N end (photo). Typically 73mm to edge of dowel hole. (Suspect rot in both subcaps and S end of pier 1. 19Mar2005).						
(Total Number of Caps/Corbels : 3:3)												
Bearing Sea	ts/Caps/Corbe	ls Detail Ratir	ngs			(Been cored - large crack in cap S end E pier-photo. 19Mar2005).						
	N (count)	1 (count)	2 (count)	3 (cou	unt)	Cracked section removed. Keeper plate installed at all ends of caps.						
Last						Treeper plate installed at all cries of caps.						
Now	0	0	0		1							
Bearing Sea	ts/Caps/Corbe	ls		4	3							
(Type : TREATED TIMBER)												
(Depth(mm): 305)												
(Width(mm) : <b>356</b> )												
	er of Bearing F	Piles : <b>7:7</b> )										
Piles Detail F						1						
	N (count)	1 (count)	2 (count)	3 (cou	unt)							
Last			, ,									
Now	0	0	0		0	P1p1 might have rot.						
Pier Shaft/Pi	_			4	4	Wide vert. split full height (photo).						
Greatest H		3.00				1						
	ts/Sheathing			6	6	Bracing 70mm x 300mm x 4.9m.						
Nose Plate				X	X							
					_							
Paint/Coatin				X	X	-						
`	escription:)											
(Colour Co												
Pier Stability				4	4	Girders have 70-75mm of bearing at some locations.						

				ructure
Bridge Component		Last	Now	Explanation of Condition
Scour		N	N	
Debris (Y/N) No				
Substructure General Rating		4	3	
			Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment			7	
Bank Stability			7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : )				
Guidebank/Spurs			X	
Adequacy of Opening		7	7	
(Fish Compensation Measure	1 : <b>NONE</b> )			
(Fish Compensation Measure 2	2 : <b>NONE</b> )			
Channel General Rating		6	6	

		Maintenal	Maintenance Recommendations	ations					
Inspector Recommendations	Year	Inspector Comments		Department Comments	ments		Target Year	Est. Cost	Cat#
REPAIR/REPLACE BRIDGE RAIL									
SEAL CURBS									
PATCH DECK									
OVERLAY DECK									
STRAIGHTEN/REPLACE MEMBERS									
WASHING									
SHOTCRETE REPAIRS									
CORE TIMBER CAPS/CORBELS									
REPAIR/REPLACE TIMBER CAPS	2011	Replace at next major rehab.							
REPAIR ABUTMENT SCOUR/EROSION	7								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL STRUTS									
OTHER ACTION	2011	Replace steel cap over valve at E approach in EBL.	at E approach in						
OTHER ACTION	2011	Core pier piles.							
OTHER ACTION	2011	Seal trans. cracks in ACP over jnts.	er jnts.						
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)	() 44.4/38.9	S.9 Sufficiency Rating (Last/Now)		58.9/56.8	Est. Repl. Yr	2015	Maint. Reqd. (Y/N)		Yes
Special (Core bridge & asses Comments for pockets are not shari Next Inspection Monitor curb & girder	sment may fo ng load. 19Ma leg cracking.	(Core bridge & assessment may follow with replacement after that. pockets are not sharing load. 19Mar2005). Monitor curb & girder leg cracking.	after that. Units connector	Department Comments					
Maintenance Reviewed By				Date		Es	Estimated Total	0	
Proposed Long-Term Strategy	007.10.10 Pa	2007.10.10 Part of regional consultant for Spot Rehab program for 2012	t Rehab program	or 2012.					
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Randy Bredo		Previous ,	Previous Assistant's Name					
Next Inspection Date	14-Oct-2014		Previous	Previous Inspection Date	19-Mar-2005				
Inspection Cycle (Default) (months)	39								
Comment									

				Maintena	nce Recommend	ations						
Inspector Recommendations		Year	Inspector	Comments		Department (	Comme	nts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL												
SEAL CURBS												
PATCH DECK												
OVERLAY DECK												
STRAIGHTEN/REPLACE MEMBER	RS											
WASHING												
SHOTCRETE REPAIRS												
CORE TIMBER CAPS/CORBELS												
REPAIR/REPLACE TIMBER CAPS		2011	Replace	at next major rehab	<u>-</u>	Programmed	for repl	acement		2014		
REPAIR ABUTMENT SCOUR/ERO	SION											
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL STRUTS												
OTHER ACTION		2011	Replace EBL.	steel cap over valve	at E approach in	Programmed	for repl	acement		2014		
OTHER ACTION		2011	Core pier	piles.		Programmed	for repl	acement		2014		
OTHER ACTION		2011	Seal trans. cracks in ACP over jnts.			Programmed	for repl	acement		2014		
OTHER ACTION												
Structural Condition Rating (Last/Now) 44 (%)			Sufficiency Rating (Last/Now) (%)			58.9/56.8	Est. Repl. Yr 2015			Maint. Reqd. (Y/N) Yes		
Special (Core bridge & as connector pockets Monitor curb & gir	s are not	sharing l	llow with ro	eplacement after tha ar2005).	at. Units	Department Comments	Tentat	tively schedule	ed in PM	A to be replaced	d in 2014. A	S
Maintenance Reviewed By Andrew Smikles						Date	22-Jur	า-2012	Estimated Tota	I 0		
Proposed Long-Term Strategy	rt of region	al consultant for Sp	ot Rehab progran	n for 2012.								
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Randy	Bredo			Previous	Assistant's Name						
Next Inspection Date	14-Oct	-2014			Previous	Inspection Dat	е	19-Mar-2005				
Inspection Cycle (Default) (months)	39											

Bridge Inspection &	Maintananca	System	(Mah 2005)
bridge inspection &	Mannenance	System	(1160 2003)

00116 -1 Bridge

Alberta Transpo	rtation
Comment	