							Е	Bridge lı	nspect	tion						
Bridge File Num	ber	0103	31 -1	Bridge						Туре			PCS			
Year Built/Year		1989	9/198	9					Lot N	lo.			2			
Supstr									Inspe	ector N	lame		Jason Saly			
Bridge or Town	Name	1) HIL						Inspe	ector C	lass		BR CLS A			
Located Over					R, 6.5, W	/ATER	CRS	S-ST	Assis	tant N	lame					
Located On		36:2	0 C1	31.716					Assis	tant C	lass					
Water Body Cl./		-							Inspe	ection I	Date		10-Jan-2013	3		
Navigabil. Cl./Ye									Data	Entry	Ву		Marcia Chav	/ez		
Legal Land Loca		+-			54 RGE	12 W4	M		Data	Entry	Date		12-Feb-2013	3		
Longitude, Latitu	ıde	1		7, 53:42					Revie	ewer N	lame		John O'Brie	า		
Road Authority		1		ransporta	ation (AIT)			Revie	ew Dat	te		19-Jan-2013	3		
Contract Main. A		CMA							Dept.	. Revie	ewer N	Name	Darron Ahls	tedt		
Clear Roadway/	Skew			deg. (RH	IF)				Dept.	. Revie	ew Da	te	13-Feb-2013	3		
AADT/Year				011 (A)					Follo	w-Up I	Ву					
Road Classificat			J-211.	.8-110					-							
Detour Length (11											S3 62> On Critical Spans			
Allowable Load	(t): Sir	ngle	CS1	28		Semi	CS	S2 49			Train	CS	3 62		> On Crit	ical Spans Member
Design Loading:			MS3	00											> Primary	
_ co.g co.ug.							Po	sting l	nforma	ation					,	O pa
Required Load F	Posting	g (t)			Single					Semi				Truc	k Train	
Posted Loading					Single				S	Semi				Truc	k Train	
Posted:	Lane	N	 1В		At Juncti	ion (Y/	N)	No	li	n Adva	ance (Y/N)	No	At Bı	ridge (Y/N)	No
Posted:	Lane	S	SB		At Junct			No		n Adva			No		ridge (Y/N)	No
Remarks	Postir	ng no	t requ	uired.		,	,				,				<u> </u>	
Hazard Marker A				Yes												
Remarks		<u> </u>		SE HM	missing.											
Other Sign Type	 S															
5 71							Ut	ilities (L	Locate	ed at)						
Utility Attachmer	nts T	ELEF	PHON	IE UTILI	ΓIES-PHO	ONE LI	NE	·								
Telephone	East i	r/w &	West	r/w.					Gas							
Power	3 wire	es OH	l 20m	East of	c/l.				Muni	cipal						
Others									Probl	lem (Y	/N)	No				
Remarks																
								Approa	ich Ro	ad						
						L	ast	Now	Expla	anatio	n of C	Condi	tion			
Horizontal Aligni	ment						8	8	In tov	vn limi	ts. Sp	eed li	mit 60 kph. N	o pas	sing, both dii	rections.
Vertical Alignme	nt						8	8								
Roadway Width	(m)			12.000												
Approach Bump							8	8								
Guardrail (Y/N)				Yes									bolts at SW o			
Guardrail							3	3	_Missi Guar	ng 3 p drail to	osts (oo low	w eac √, 370-	ch corner & 1 -460mm top c	section of ACF	n too short - P to guardrail	photo. c/l. 42.0m @
Length (m)				42.000					NE, S	SE & S	SW. 56	5.2m (@ NW. 08De	c2010).	
Current Standa	ard (Y/	/N)		No					Ratin	arig sp ig mair	ntaine	on at a	ali terminai er ed on previol	ius. 11 Is insp	zaugz009) - pector's comi	Snow covered ments.
Termination Ty	уре			Turned	Down											
Drainage							4	4	armo	ured. (abutm	Currei ent se	nt road eat, sh	along ditch th d drainage dr nould install c 2Aug2009). P	ains c urb to	off end of app direct draina	roach curb & ge away from
Approach Road	d Gene	eral R	ating]			8	8								

				5	Supers	structure		
Bridge Com	ponent				Now	Explanation of Condition		
	•	ans. Length	ns(m): 11-11-1			•		
Special Fea		, g		,				
Special Feat					Х			
(Type:)								
Special Feat	ture				Х			
(Type:)								
	face/Deck Top	Detail Ratin	ns					
vvcaning our	N (%)	1 (%)	2 (%)	3 (%)				
Last	60	0	0		0			
Now	70.0	0.0	0.0		.0			
Wearing Sur		0.0	0.0	N	5	Intermittant transverse cracks approx every 3.0m.		
	ype : ACP)			IN		(ACP delam in S2 wheelpath, both lanes - photo. 12Aug2009) -		
	• • • • • • • • • • • • • • • • • • • •					Snow & dirt covered.		
(Thickness(mm) : 90) Lateral Connection Problem No								
(Y/N)	lection Probler	II INO						
Deck Top				N	N			
Deck Rideab	oility			7	7			
Deck Joints				8	N	Paved over.		
Bump (Y/N	I)	No		0	IN	Paved over.		
		INU		4		CF drain outspains CQ in minature staining sinday/s		
Deck Draina		NI-		4	4	SE drain extension, S3, is missing, staining girder u/s. S2 surface delam, staining around SW drain.		
Drains Clogged (Y/N) No								
Curbs/Median			N	N	(Spalled @ NW corner, plow damage. Minor shrinkage cracks anchor assemblies are located. Also minor area spalled concre			
(Curb Type : Standard) Scaling (Percent Area) 5					corners under last post - photo. Curb face is max 170mm.			
	ercent Area)	5			1	12Aug2009). Snow/ice covered.		
Bridge Rail				7	7			
(Type : GA	LVANIZED S	TEEL BRIDG	SE TUBE)		1			
Bridge Rail F				7	N	Snow covered.		
(Type : GA STEEL)	LVANIZED PO	OST STEEL:	GALVANIZED	POST		Show severed.		
Bridge Rail/F	Posts Coating			7	7			
(Type : GA	(LVANIZED)							
Sidewalk				X	Х			
0: 1 5 : ::	ID (
Girder Detail		4 (5 - 11)	0 (2.4	4\			
Loot	N (count)	1 (count)	2 (count)	3 (cou		-		
Last	0	0	0		0			
Now	0	0	0		0			
Girders			0040	5	5			
	ete Inspection [n-2013			Trinical diagonal areals @ anda an abasit 4/0 of sindara		
Cracking (•	Yes				Typical diagonal crack @ ends on about 1/2 of girders. Curbs have hairline crack @ mid height on outside face.		
	Percent Area)	0				Shrinkage cracks on 50% of CIP section on curb exterior.		
Lift or Conne Grouted (Y/N		Yes				Graffitti on girder underside, both abut spans.		
(Number Of	Girders : 48)							
Span Alignr	ment Problem	s						
Vertical (Y	/N)	No						
Horizontal	(Y/N)	No						
Superstruct	ture General F	Rating		5	5			

					Subst	ructure
Bridge Comp	onent			Last	Now	Explanation of Condition
Abutments				<u>'</u>		
(Extended E	Backwall Piles	(Y/N) : N)				
(Extended E	Backwall Piles	Spacing(mm):)			
(Total Numbe	r of Caps/Cor	bels : 1:1)				
Bearing Seats	s/Caps/Corbel	s Detail Ratin	gs			
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	
Last	0	0	0		0	
Now	0	0	0		0	
Bearing Seats	s/Caps/Corbel	S		7	7	
(Type : CO	NCRETE)					
(Depth(mm)) : 900)					
(Width(mm)	: 700)					
Backwalls/Bre	eastwalls			X	N	
Greatest He	eight (m)	1.20				
Wingwalls				8	N	Snow covered.
(Total Numbe	r of Bearing P	Piles : 0:0)				Buried.
Piles Detail R		,				
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last	100	0	0		0	
Now	100	0	0		0	
Piles		'	<u>'</u>	N	N	_
Paint/Coating				5	5	No coating on SE wingwall or abutment seats.
Abutment Sta	bility			8	8	
Scour/Erosion	า			8	7	
Piers/Bents						
	R-COLUMN)					
(Total Numbe	· ·	hels : 1:1:1)				-
Bearing Seats	•	· · · · · · · · · · · · · · · · · · ·	as .			-
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last	0	0	0		0	
Now	0	0	0		0	
Bearing Seats	_			8	8	1
(Type : CO	·					
(Depth(mm)						(Pier caps vary in depth due to construction error as noted on C-
(Width(mm)						drawing for file. 97/08/28).
(Total Numbe	•	Piles : 8:8:8)				
Piles Detail R						1
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last	0	0	0		0	
Now	0	0	0		0	
Pier Shaft/Pile	es			8	8	
Greatest He		4.20				
Bracing/Struts				8	8	
Nose Plate				X	Х	
Paint/Coating				4	4	Graffitti on pier columns.
(Colour Des	cription : BLU	JE)				Rusted piles 300mm above water level. No action required at this time.
(Colour Cod	de : 15182)					(17/July/2008)

				ructure
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		8	N	
Debris (Y/N)	Yes			Old piles under bridge in streambed.
Substructure General Rating		7	7	
		5	Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	N	All grassed in and stable. Snow covered, but no signs of problems.
HWM (m below Top of Curb)	3.5			(3.5m. 17Jul2008) - HWM not visible.
Drift (Y/N)	No			
Slope Protection		8	8	
(Type: RIP RAP; RIP RAP)				
Guidebank/Spurs		Х	Х	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	2 : NONE)			
Channel General Rating		8	8	

Alberta Transportation

		Maintenance Recommendations	ations				
Inspector Recommendations	Year	Inspector Comments	Department Comments	ments	Target Year	Est. Cost	Cat#
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS	2013	Patch spalls @ NW & patch post grout pad under end post, all corners, if not yet done.					
PATCH DECK							
OVERLAY DECK	2013	Chipseal or overlay ACP wearing surface.					
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Extend SE drain 100 diameter @ girder.					
OTHER ACTION	2013	Trim old piles @ water level under bridge or remove.					
OTHER ACTION	2013	Upgrade approach guardrail to meet standard height, if not yet done.					
OTHER ACTION	2013	Consider installing curb @ approach corners to direct road drainage away from abutments, if not yet done.					
OTHER ACTION	2013	Install connector bolts, 2 @ SW or upgrade to thrie beam to meet standard, if not yet done.					
OTHER ACTION	2013	Seal cracks in ACP wearing surface.					
OTHER ACTION	2013	Replace SE HM.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	65.6/65.7	Est. Repl. Yr 2049	Maint. Reqd. (Y/N)		Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Total	0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							

Proposed Action			
Previous Inspector's Name	Dave Lam	Previous Assistant's Name	
Next Inspection Date	10-Oct-2014	Previous Inspection Date	08-Dec-2010
Inspection Cycle (Default) (months) 21	21		
Comment			

		Maintenance Recommend	ations			
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL						
SEAL CURBS	2013	Patch spalls @ NW & patch post grout pad under end post, all corners, if not yet done.	when next working on the site.			
PATCH DECK						
OVERLAY DECK	2013	Chipseal or overlay ACP wearing surface.	at next rehab or when next working on the site.			
STRAIGHTEN/REPLACE MEMBERS						
WASHING						
SHOTCRETE REPAIRS						
CORE TIMBER CAPS/CORBELS						
REPAIR/REPLACE TIMBER CAPS						
REPAIR ABUTMENT SCOUR/EROSION						
PLACE ADDITIONAL RIP RAP						
REMOVE DRIFT ACCUMULATION						
INSTALL STRUTS						
OTHER ACTION	2013	Extend SE drain 100 diameter @ girder.	when next working on the site.			
OTHER ACTION	2013	Trim old piles @ water level under bridge or remove.	when next working on the site.			
OTHER ACTION	2013	Upgrade approach guardrail to meet standard height, if not yet done.	For operations			
OTHER ACTION	2013	Consider installing curb @ approach corners to direct road drainage away from abutments, if not yet done.	when next working on the site.			
OTHER ACTION	2013	Install connector bolts, 2 @ SW or upgrade to thrie beam to meet standard, if not yet done.	when next working on the site.			
OTHER ACTION	2013	Seal cracks in ACP wearing surface.	for operations			
OTHER ACTION	2013	Replace SE HM.	for Operations			
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
Structural Condition Rating (Last/Now) (%)	66.7/66.	.7 Sufficiency Rating (Last/Now) (%)	Est. Repl. Yr 2049	Maint. Re	eqd. (Y/N)	Yes

Special Comments for Next Inspection			epartment omments	maintinence recommendatic change in the GR	ons carried since 2	009 with no
Maintenance Reviewed By	John Umlah	Da	ate	18-Apr-2013	Estimated Total	0
Proposed Long-Term Strategy						
On 3-Year Program (Y/N)						
Proposed Action						
Previous Inspector's Name	Dave Lam	Previous Assi	sistant's Nam	ie		
Next Inspection Date	10-Oct-2014	Previous Insp	pection Date	08-Dec-2010		
Inspection Cycle (Default) (months)	21					
Comment						