						:	Bridge Ir	nspect	ion							
Bridge File Num	ber	788	80 N-	1 Bridge				J	Form Type			SG				
Year Built/Year			8/197						Lot No.				2			
Supstr Bridge or Town	Nama	CAL	GAR	Y - BOW	DIVED	CALE	O P		Inspector Name			Garry Roberts				
Bridge of Town	INAITIE		DGE	1 - BOVV	KIVEK	CALF	·UB		Inspector Class			BR CLS A				
Located Over		BOV	N RIV	ER, 2.13	, WATE	RCRS-	ST		Assistant Name							
Located On		2:15	R1 2	7.327					Assistant Class							
Water Body Cl./	Year								Inspe				22-Jan-2013			
Navigabil. Cl./Ye	ear								Data			Lauren Korte				
Legal Land Loca	ation	SW	SEC	1 TWP 2	4 RGE 1	W5M			Data Entry Date				06-Feb-2013			
Longitude, Latitude -114:01:14, 51:00:31								Reviewer Name Review Date			Garry Roberts					
Road Authority Alberta Transportation (AIT)										29-Jan-2013						
Contract Main. A				OT/STO	NEY						ewer N		Tim Davies			
Clear Roadway/	Skew	14.3	-						Follor		ew Date	е	21-Feb-2013	)		
AADT/Year				2011 (A	)				FOIIO	w-op	Бу					
Road Classificat		RFD	)-616.	6-130					-							
Detour Length (I	<u> </u>	1														
Allowable Load	(t): Sin	igle	CS1	28		Semi	C	S2 49			Train	CS	3 62		> On Critical Spans >Critical Member	
Design Loading:			HS25	 5		<u> </u>									> Primary	
Ü							Po	osting Ir	nforma	ation					,	'
Required Load F	Posting	(t)			Single				S	Semi				Trucl	k Train	
Posted Loading	(t)				Single				S	Semi				Truc	k Train	
Posted:	Lane	١	ΝB		At Junc	tion (Y/	N)	No	Ir	In Advance (Y/N)		No	At Bridge (Y/N) No		No	
Posted:	Lane	9	SB		At Junc	tion (Y/	N)		In Advance (Y/N) At Bridge (Y/N)							
Remarks	Not re	Not required.														
Hazard Marker At Bridge (Y/N) No																
Remarks Not Required.																
Other Sign Types Surface sensor, locat			locatio	n Riv	ver ID-B	ridge ic	ces.									
							Ut	tilities (L	ocate	d at)						
Utility Attachments POWER UTILITIES-POWER LINE				LINE												
Telephone	at SE							Gas			Courses outlot @ CM					
Power		les lines to SE.						Municipal Sewage outlet @ SW.								
Others	Light								Problem (Y/N) Yes							
Remarks	Cond	uits o	n abu	ts and p	ers.											
								Approa			n of C	o n ali	lan			
Horizontal Align	mont					L	<u>-ast</u> 4	Now 5			on of C					
Vertical Alignment				6	6	Curves poor sight distance. Grade up to North. Bridge on double curve.										
Vertical Alignment				O	0	Bridg	e on (	double	curve	).						
									B311	7A						
Roadway Width (m) 15.000																
Approach Bump			3	6	1											
Guardrail (Y/N) Yes		Yes					Parap	ets.								
Guardrail				5	5	1 .										
		60.000					1									
- · · ·		Yes					1									
Termination T	`			TURND	OWN				1							
Drainage							6	6								
A	1.0							_								
Approach Road	d Gene	erai R	katıng				4	5								

Bridge Component						Supers	structure					
Primary Span : WG, 5 Spans, Lengths(m): 30-51.5-61-51.5-30, A-Ident Number: )	ridge Component											
Special Feature			ns. Lenath	s(m): 30-51.5-			•					
Special Feature			<b>_</b>			,						
(Type : )   Special Feature						X						
Special Feature												
Type :		re				X						
Wearing Surface/Deck Top Detail Ratings												
N (%)		oo/Dook Ton	Dotoil Botin									
Last					2 (0/.)							
Now   20.0   0.0   0.0   0.0   0.0   0.0				i			-					
Wearing Surface (Material Type : CONCRETE) (Thickness(mm) : 50)  Deck Top  N  N  Deck Rideability  4  7  Deck Joints  1  CEXPANSION Type : PINGER PLATES)  Gap Size (mm)  Sabut  Deck Drainage  Deck Drainage  Orubs/Median  1  Curbs/Median  3  New backwall drain at both abuts.  Viewed from 4 corners. No visible problems.  Viewed from 4 corners. No visible spalling, 30% snow covered (Curb Type : JERSEY/F SHAPE)  Scaling (Percent Area)  Bridge Rail  (Type :)  Bridge Rail/Posts Coating  (Type :)		-	_	-								
(Material Type : CONCRETE) (Thickness(mm) : 50)  Deck Top			0.0	0.0			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					
Thickness(mm): 50)  Deck Top  N N N Deck Rideability  4 7  Deck Joints 2 4 Bangs at A1 RH lane and fingers may be cracked, Cannot cordinate the check during Deerfoot full closure.  (Expansion Type:) (Fixed Type: FINGER PLATES) Gap Size (mm)  BO N Sabut  Deck Drainage Drains Clogged (Y/N) No  Curbs/Median (Curb Type: JERSEY/F SHAPE) Scaling (Percent Area)  Bridge Rail X X (Type:)  Bridge Rail/Posts Coating (Type:)  Bridge Rail/Posts Coating X X (Type:)  Bridge Rail/Posts Coating X X (Type:)					3	8	Viewed from 4 corners. No visible problems.					
Deck Top N N N  Deck Rideability 4 7  Deck Joints 2 4 Bangs at A1 RH lane and fingers may be cracked, Cannot concheck during Deerfoot full closure.  Temperature (deg. C) -6 (Expansion Type:) (Fixed Type: FINGER PLATES) Gap Size (mm) Gap Location 80 N abut 65 S abut  Deck Drainage 3 7 New backwall drain at both abuts.  Drains Clogged (Y/N) No  Curbs/Median 3 8 Viewed from 4 corners. No visible spalling, 30% snow covered (Curb Type: JERSEY/F SHAPE) Scaling (Percent Area) 2  Bridge Rail			ETE)									
Deck Rideability 4 7  Deck Joints 2 4 Bangs at A1 RH lane and fingers may be cracked, Cannot concheck during Deerfoot full closure.  (Expansion Type:)  (Fixed Type: FINGER PLATES)  Gap Size (mm)  So Nabut  65 Sabut  Deck Drainage 3 7 New backwall drain at both abuts.  Drains Clogged (Y/N)  Curbs/Median 3 8 Viewed from 4 corners. No visible spalling, 30% snow covered (Curb Type:)  Scaling (Percent Area) 2  Bridge Rail		mm) : <b>50</b> )										
Deck Joints  Temperature (deg. C)  (Expansion Type : )  (Fixed Type : FINGER PLATES)  Gap Size (mm)  Book Drainage  Deck Drains Clogged (Y/N)  Curbs/Median  (Curb Type : JERSEY/F SHAPE)  Scaling (Percent Area)  Bridge Rail  (Type : )  Bridge Rail/Posts Coating  (Type : )	ck Top				N	N						
Deck Joints  Temperature (deg. C)  (Expansion Type : )  (Fixed Type : FINGER PLATES)  Gap Size (mm)  Book Drainage  Deck Drains Clogged (Y/N)  Curbs/Median  (Curb Type : JERSEY/F SHAPE)  Scaling (Percent Area)  Bridge Rail  (Type : )  Bridge Rail/Posts Coating  (Type : )	ala Diala alama	·			4	7						
Temperature (deg. C) -6 ((Expansion Type : ) ((Fixed Type : FINGER PLATES) Gap Size (mm)  BO N abut 65 Sabut  Deck Drainage Drains Clogged (Y/N) No  Curbs/Median (Curb Type : JERSEY/F SHAPE) Scaling (Percent Area) Scaling (Percent Area) Bridge Rail (Type :) Bridge Rail/Posts Coating (Type :) Bridge Rail/Posts Coating (Type :) Bridge Rail/Posts Coating (Type :) Curbs/Median Check during Deerfoot full closure.	ск кіаеарііі	ity			4	'						
Temperature (deg. C) -6 ((Expansion Type : ) ((Fixed Type : FINGER PLATES) Gap Size (mm)  BO N abut 65 Sabut  Deck Drainage Drains Clogged (Y/N) No  Curbs/Median (Curb Type : JERSEY/F SHAPE) Scaling (Percent Area) Scaling (Percent Area) Bridge Rail (Type :) Bridge Rail/Posts Coating (Type :) Bridge Rail/Posts Coating (Type :) Bridge Rail/Posts Coating (Type :) Curbs/Median Check during Deerfoot full closure.	ck Joints				2	4	Bangs at A1 RH lane and fingers may be cracked. Cannot confirm-					
(Expansion Type : ) ((Fixed Type : FINGER PLATES) Gap Size (mm)  BO  N abut 65  S abut  Deck Drainage  3 7 New backwall drain at both abuts.  Drains Clogged (Y/N)  No  Curbs/Median  (Curb Type : JERSEY/F SHAPE)  Scaling (Percent Area)  Srail  (Type :)  Bridge Rail Posts  (Type :)  Bridge Rail/Posts Coating  (Type :)  Bridge Rail/Posts Coating  (Type :)		e (deg. C)	-6				check during Deerfoot full closure.					
(Fixed Type : FINGER PLATES)           Gap Size (mm)         Gap Location           80         N abut           65         S abut           Deck Drainage         3         7           Drains Clogged (Y/N)         No           Curbs/Median         3         8           (Curb Type : JERSEY/F SHAPE)         Yeiwed from 4 corners. No visible spalling, 30% snow covered from the corners of the corner of t	•						-					
Gap Size (mm)         Gap Location           80         N abut           65         S abut           Deck Drainage         3         7           Drains Clogged (Y/N)         No           Curbs/Median         3         8           (Curb Type : JERSEY/F SHAPE)         Viewed from 4 corners. No visible spalling, 30% snow covered from 4 corners.           Scaling (Percent Area)         2           Bridge Rail         X         X           (Type :)         Sridge Rail/Posts Coating         X         X           (Type :)         Bridge Rail/Posts Coating         X         X	-		ATES)									
Sabut   Sabut			-	Location								
Deck Drainage Drains Clogged (Y/N) No  Curbs/Median (Curb Type : JERSEY/F SHAPE) Scaling (Percent Area) Scaling (Percent Area)  Bridge Rail (Type :) Bridge Rail Posts (Type :) Bridge Rail/Posts Coating (Type :) Bridge Rail/Posts Coating (Type :)	-	1111)										
Deck Drainage Drains Clogged (Y/N) No  Curbs/Median 3 8 Viewed from 4 corners. No visible spalling, 30% snow covered (Curb Type : JERSEY/F SHAPE) Scaling (Percent Area) 2 Bridge Rail X X (Type :) Bridge Rail Posts X X (Type :) Bridge Rail/Posts Coating X X (Type :)							-					
Drains Clogged (Y/N) No  Curbs/Median 3 8 Viewed from 4 corners. No visible spalling, 30% snow covered (Curb Type : JERSEY/F SHAPE)  Scaling (Percent Area) 2  Bridge Rail X X X (Type : )  Bridge Rail Posts X X (Type : )  Bridge Rail/Posts Coating X X X (Type : )	bb S abut						-					
Drains Clogged (Y/N) No  Curbs/Median 3 8 Viewed from 4 corners. No visible spalling, 30% snow covered (Curb Type : JERSEY/F SHAPE)  Scaling (Percent Area) 2  Bridge Rail X X X (Type : )  Bridge Rail Posts X X (Type : )  Bridge Rail/Posts Coating X X X (Type : )							_					
Drains Clogged (Y/N) No  Curbs/Median 3 8 Viewed from 4 corners. No visible spalling, 30% snow covered (Curb Type : JERSEY/F SHAPE)  Scaling (Percent Area) 2  Bridge Rail X X X (Type : )  Bridge Rail Posts X X (Type : )  Bridge Rail/Posts Coating X X X (Type : )							_					
Drains Clogged (Y/N) No  Curbs/Median 3 8 Viewed from 4 corners. No visible spalling, 30% snow covered (Curb Type : JERSEY/F SHAPE)  Scaling (Percent Area) 2  Bridge Rail X X X (Type : )  Bridge Rail Posts X X (Type : )  Bridge Rail/Posts Coating X X X (Type : )							_					
Drains Clogged (Y/N) No  Curbs/Median 3 8 Viewed from 4 corners. No visible spalling, 30% snow covered (Curb Type : JERSEY/F SHAPE)  Scaling (Percent Area) 2  Bridge Rail X X X (Type : )  Bridge Rail Posts X X (Type : )  Bridge Rail/Posts Coating X X X (Type : )						I _						
Curbs/Median 3 8 Viewed from 4 corners. No visible spalling, 30% snow covered (Curb Type : JERSEY/F SHAPE)  Scaling (Percent Area) 2  Bridge Rail X X X (Type : )  Bridge Rail Posts X X (Type : )  Bridge Rail/Posts Coating X X X (Type : )					3	7	New backwall drain at both abuts.					
(Curb Type : JERSEY/F SHAPE)           Scaling (Percent Area)         2           Bridge Rail         X         X           (Type : )         X         X           Bridge Rail Posts         X         X           (Type : )         X         X           Bridge Rail/Posts Coating         X         X           (Type : )         X         X			No									
Scaling (Percent Area)         2           Bridge Rail         X         X           (Type:)         X         X           Bridge Rail Posts         X         X           (Type:)         X         X           Bridge Rail/Posts Coating         X         X           (Type:)         X         X					3	8	Viewed from 4 corners. No visible spalling, 30% snow covered.					
Bridge Rail         X         X           (Type:)         X         X           Bridge Rail Posts         X         X           (Type:)         X         X           Bridge Rail/Posts Coating         X         X           (Type:)         X         X	Curb Type :	JERSEY/F S	SHAPE)									
(Type:)  Bridge Rail Posts X X  (Type:)  Bridge Rail/Posts Coating X X  (Type:)	Scaling (Perc	cent Area)	2									
Bridge Rail Posts X X  (Type:)  Bridge Rail/Posts Coating X X  (Type:)	dge Rail				X	X						
(Type:)  Bridge Rail/Posts Coating X X  (Type:)												
Bridge Rail/Posts Coating X X (Type:)						X						
(Type:)												
(Type:)	dge Rail/Pos	sts Coating			X	X						
						Х						
Girder/Beam	der/Beam											
Cover Plate X X Catwalk at exterior bays.						X	Catwalk at exterior bays.					
Flange 7 7	Flange				7	7						
Web 7 7	-				7	7						
Stiffeners 7 7						7						
Splice 7 7	Splice				7	7						
Weld 7 7					7	7						
Diaphragms/Cross Frame 7 7		ross Frame										
		. Joo i idillo										

			Supars	structure
Bridge Component				Explanation of Condition
(Primary Span : WG, 5 Spans, I	enaths(m): 30-51-5-6			•
Paint Condition	201191112(111)1 00 0 110 0	X	X	Scaling @ bot flange bot of web.
(Colour Description : )		<u> </u>		Weathering steel.
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings	140	4	7	
Temperature (deg. C)	-6	4		
(Expansion Type : <b>POT BEAR</b>				
(Fixed Type : POT BEARING)	·			
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside	1.00	5	5	Corrosion and efflorescence @ deck ext @ parapet joints.
Stains (Percent Area)	1			Isolated cracks with efflorescence.
Span Alignment Problems	'			
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		2	5	
Superstructure General Nathi	<b>.</b>			
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments			1	
Bearing Seats/Caps		6	7	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		6	6	
Wingwalls		4	7	
Piles		N	N	Buried.
Paint/Coating		4	5	Graffiti covered.
Abutment Stability		8	5	
Scour/Erosion		6	7	
Piers/Bents				
(Type : <b>PIER-SOLID</b> )				
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles :	0:0:0:0)			
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		6	6	P.1 and P.4 are graffiti covered.
(Colour Description : )				
(Colour Code : )		7		
Pier Stability			7	
Scour		N	N	Water too deep to see at piers 2 and 3.
Debris (Y/N)	No			
Substructure General Rating		6	7	

		5	Structu	re Usage				
		Last	Explanation of Condition					
Channel								
(U/S Direction : W)								
(D/S Direction : E)								
Alignment		7	7					
Bank Stability			6	Cut bank at toe at South.				
HWM (m below Top of Curb)				No visible HWM.				
Drift (Y/N)	ft (Y/N) No							
Slope Protection		5	6	Rock @ headslopes.				
(Type: RIP RAP; RIP RAP)				Natural @ toe.				
Guidebank/Spurs		Х	X					
Adequacy of Opening			7					
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		5	6					

Bridge Inspection & Maintenance System (Web 2005)

			Maintenance Recon	nmenda	ations					
Inspector Recommendations	Ye	ar	Inspector Comments		Department Cor	nments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL					·					
GALVANIZE/PAINT BRIDGE RAIL										
RETROFIT BRIDGE RAIL										
SEAL CURBS										
PATCH DECK										
SEAL DECK										
OVERLAY DECK										
REPAIR/REPLACE DECK JOINTS			Check South finger joint-bangs loudly an be loose.	nd may						
RESET/ PAINT BEARINGS										
REPAINT SUPERSTRUCTURE										
STRAIGHTEN/REPLACE MEMBERS										
WASHING										
SHOTCRETE REPAIRS										
REPAIR ABUTMENT SCOUR/EROSIG	ON									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION		O13 Clean abut seats construction debris.								
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No. (%)	ow) 44.	.4/66.7	Sufficiency Rating (Last/Now (%)	<i>ı</i> ) 3	2.1/56.1	Est. Repl. Yr	2046	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection			•	<u>'</u>	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 Gar		erts	Pre	evious <i>A</i>	Assistant's Name					
Next Inspection Date	22-Oct-20°	14	Pre	evious I	Inspection Date 19-Apr-2011					
Inspection Cycle (Default) (months)	21									
Comment										