						В	ridge Ir	nspection							
Bridge File Number 76609 -1 Bridge								Form Type			SG				
Year Built/Year 1970/1970						Lot No.					2				
Supstr						Inspector Name					Garry Roberts				
Bridge or Town Name COCHRANE								Inspector Class			BR CLS A				
Located Over				13, WATE	RCRS-S	ST		Assistant Name							
Located On	~ .	22:16	C1 11.04	7				Assistant Class							
Water Body Cl./								Inspection Date			13-Jun-2012				
Navigabil. CI./Y								Data Entry By			Lauren Korte				
Legal Land Loc				'P 25 RGE	= 4 W5M			Data Entry Date			27-Jun-2012				
Longitude, Latit	ude		9:13, 51:1 -		 `			Reviewer Name			Ash Morjaria				
Road Authority	•		· · ·	rtation (Al	1)			Review Date			19-Jun-2012				
Contract Main.		CMA2	-					Dept. Reviewer Name			Tim Davie	s			
Clear Roadway	/Skew		25 deg. (L	· · · · · · · · · · · · · · · · · · ·				Dept. Rev	view Da	te	29-Jun-20)12			
AADT/Year) / 2011 (/	4)				Follow-Up	в Ву						
Road Classifica			211.8-110					-							
Detour Length (Allowable Load	<u> </u>	3 ale C	S1 42		Semi	CS2 48 Trair			Train	CS	S3 55		> On Critical Spans		
			IRDER				RDER				RDER		>Critical Member		
Design Loading	:	H	S20										> Primary Span		
						Po	sting Ir	nformation							
	Required Load Posting (t) Single							Semi			49		k Train	56	
Posted Loading	(t)			Single				Semi				Truc	k Train		
Posted:	Lane	NB		At Junc	ction (Y/N	1)	No	In Ad	vance ((Y/N) No		At Br	idge (Y/N)	No	
Posted:	Lane	SB At Junction (ction (Y/N	1)	No In Advance (Y/N)				No	At Br	idge (Y/N)	No	
Remarks	Shoul	d post	@ C52, 4	3 and CS5	55 if allow	llowable load is correct.									
Hazard Marker At Bridge (Y/N) No															
Remarks @ NE only.															
Other Sign Type	es		Route	e info, curv	/e, 60 km			for vehicles		dge.					
						Uti	lities (L	ocated at							
Utility Attachme	1		ONE UTI												
Telephone			@ East r/v					Gas		50m S	South.				
Power				2 and Eas				Municipal							
Others	Condu curb.	uit alon	g East gir	der. Light	standard	@\	Vest	Problem (roblem (Y/N) No						
Remarks															
							Approa	ch Road							
					La	ast	Now	Explanation of Condition							
Horizontal Align						5	5	On curve.	On curve. Hills to both ends.						
Vertical Alignme	ent					5	5	Up to 22m Wide @ Lights to North. In urban 60km zone.							
Roadway Width	n (m)		22.00	0											
Approach Bump						6	5								
Guardrail (Y/N) Yes							Incorrect lap at NW and missing 5 splice bolts at NE and 2					and 2 post bolts			
Guardrail						4	4	Not thriebeam.							
Length (m)			30.00	0					can.						
Current Stand	dard (Y/	N)	No												
Termination T			turne	d down				1							
Drainage						5	5								
Brainago		Approach Road General Rating													

Alberta Transportation

					5	Supers	tructure				
Bridge Componer	nt				Last		Explanation of Condition				
(Primary Span : W	G, 4 Spai	ns, Leng	gths(m): 33.5-42.7-	42.7-33	3.5, A-I	dent Number: A0615-01)				
Special Features											
Special Feature						7	"9" Dywidag @ east Girder Line				
(Type :)							Bridge has 4 steel spans. 6.1m spans are HC girders in roof slabs of approach spans.				
Special Feature						N	- approach spans.				
(Type :)											
Wearing Surface/D	Deck Top I	Detail Ra	atinas								
	N (%) 1 (%) 2 (%)				3 (%)						
Last	0	0		0	0						
Now	0.0	0.0)	0.0		.0					
Wearing Surface						4	Transverse cracks - chipcoat on concrete fibre reinforced overlay.				
(Material Type : A		NVENT			5 COAT		60mm in total thickness. Worn in several areas. 1 pothole at NBL of				
(Thickness(mm))	Sp.1 and Sp.4.				
· · · · · · · · · · · · · · · · · · ·	. 30)										
Deck Top					N	N					
Deck Rideability					6	5					
Deck Joints					6	4	Both joints are welded on wrong side but are functional.				
Temperature (de	eg. C)	12	2				Joint plumbing is leaking at both abuts.				
(Expansion Type	: FINGE	R PLATI	ES)								
(Fixed Type :)											
Gap Size (mm)		C	Gap Lo	cation							
55			•	butment							
50							-				
			bounn a				-				
							-				
							-				
							-				
Dock Drainago					6	4	Drains @ approaches - none on bridge. Deck drainage is missing				
Deck Drainage	(_/_)	Nic			0	4	abut plumping causing erosion.				
Drains Clogged ((Y/N)	No	5								
Curbs/Median	.				6	6					
(Curb Type : Sta		-					-				
Scaling (Percent	: Area)	0				1					
Bridge Rail					5	5	Paint @ West rail, galvanizing @ East. Several post A/B nuts not fully engaged.				
(Type : VERTICA	AL BAR)						Minor bent verticals & Posts @ 6 Panels @ SW				
Bridge Rail Posts					4	4	Bridgerail corroded 5% - some pitting, localized area. Top rail of East pedrail corrosion @ joints due to galvacon coating				
(Type : POST ST	TEEL;GA	LVANIZ	ED PO	ST STEEL)			only.				
Bridge Rail/Posts (Coating				4	4	-				
(Type : PAINT)											
Sidewalk	Sidewalk					6					
Girder/Beam											
Cover Plate					X	Х					
Flange					7	7					
Web					7	7					
Stiffeners					7	7					
Splice					7	7	1				
Weld					7	7	1				
Diaphragms/Cross	Frame				7	7					
Liupinugino/01055	, nume										

Alberta Transportation

Bridge ComponentLest NovExplanation of Condition(Primary Span : WG, 4 Spans, Lengths(m): 3354-27-24-733.5, 4-1000000000000000000000000000000000000				Supers	tructure	
Paint Condition Image: Paint Condition Year Conduct on Section 1: YELLOW; (Colour Code: 1353b) Image: 1353b) Touchup Required (YM) No Image: 1353b) Temporature (deg. C) 12 Image: 1353b) (Expansion Type: ROCKER BEARING) Image: 1353b) Image: 1353b) (Expansion Type: ROCKER BEARING) Image: 1353b) Image: 1353b) (Expansion Type: ROCKER BEARING) Image: 1353b) Image: 1353b) Conduct deg. (JM) Ves Image: 1353b) Deck Underside Image: 1353b) Image: 1353b) Stains (Percent Area) 2 Image: 1353b) Span Alignment Problems Image: 1353b) Exposed rebar @ abutments. B0% rates 7. Span Alignment Problems Image: 1353b) Image: 1353b) Superstructure General Rating Market Kerneral @ abutments. B0% rates 7. Span Alignment @ Book exterior and weep tipes manage: 1353b) Superstructure General Rating Market Kerneral @ Book exterior and weep tipes @ Book Capes Image: 1353b) Superstructure General Rating Market Kerneral @ Book exterior and weep tipes @ Book Capes Image: 1353b) Superstructure General Rating Market Kerneral @ Book exterior and weep tipes @ Book Capes Image: 1353b) Superstructure General Rating Market Kerneral @ Book Capes Image: 1353b) Superstructure General Rating Market Kerneral @ Book C	Bridge Component					
(Colour Code: 13536)Colour Code: 13536)NoBearings65Temperature (deg.)12(fixed Type : INNED BEARING)(Colaring Adequate (VN)VersionVersionCoating Adequate (VN)VersionDeck Underside2Stains (Percent Area)2Stains (Percent Area)2Vertical (VN)NoMorizontal (V/N)NoVertical (VN)NoVertical (VN)NoVertical (VN)NoSuperstructure General Rating4Stains (Percent Area)2Stains (Percent Area)2Superstructure General Rating4Horizontal (V/N)NoNoSubstructureSuperstructure General Rating6Abutments5Bardig Satal/Caps6Abutments7Piles7Piles7PirerSents7(Type : PIER-SOLID)7Piers Short/Piles7Piers Short/Piles7Piers Namber of Bearing Piles: U-OPiers Namber of Bearing Piles: U-OPiers Short/Piles7T7Piers Short/PilesT7Piers Short/PilesT7Piers Short/PilesT7Piers Short/PilesT7Piers Short/PilesT7Piers Short/PilesT7Pier Short/Piles		s, Lengths(m): 33	.5-42.7-42.7-3	3.5, A-l	dent Number: A0615-01)	
Induction Code : 13338)Touchup Required (Y/N)NoSearings65Temperature (deg. C)12-(Expansion Type : ROKER BERRING)Coating Adequate (Y/N)Yes-Deck Underside2-Stains (Percent Area)2-Stains (Percent Area)2-Span Alignmer ProblemsVertical (Y/N)No-Superstructure General Rating45Bridge ComponentLasNowBackwalls/Breastwalls64Stains (Percent Area)77Backwalls/Breastwalls64Superstructure General Rating64Superstructure General Rating64Superstructure General Rating64Superstructure General Rating (Stain Gener	Paint Condition		4	4	A few localized areas with superficial corrosion.	
Touchup Required (Y/N)NoBearings65Temperature (deg. C)12(Expansion Type : ROCKER BEARING)(Control of the control of	(Colour Description : YELL	OW)				
Touchup Required (Y/N)NoBearings65Temperature (deg. C)12(Expansion Type : ROCKER BEARING)(Control of the control of						
Bearings65Temperature (de, C) (Expansion Type : FOKCKE BEARNOYI(Fixed Type : FINNED BEARINGYICoating Adequate (v/N) VersYesDeck UndersideYesStains (Percent Area)2Panctoning (V/N)YesSpan Alignment ProblemsIVertical (Y/N)NoNoISuperstructure General Rating4Stains (Percent Area)2Superstructure General RatingISuperstructure General Rating GeneratingISuperstructure General RatingISuperstructure General Rating GeneratingIPierstructure General R	· · · · · · · · · · · · · · · · · · ·	No				
Temperature (deg. C)12(Expansion Type : ROCKER BE-RING) (Fixed Type : FINNED BEARING)Coating Adequate (V/N)YesFunctioning (V/N)YesDeck Undersite45Functioning (V/N)YesStains (Percent Area)2Particel (V/N)NoSuper Stains (Percent Area)2Stains (Percent Area)2Super Stains (Percent Area)2Super Stains (Percent Area)2Super Stains (Percent Area)4Super Stains (Percent Area)5Super Stains (Percent Area)2Super Stains (Percent Area)2Super Stains (Percent Area)4Super Stains (Percent Area)5Super Stains (Percent Area)5Super Stains (Percent Area)6Super Stains (Percent Area)6Stains (Percent Area)7Stains (Percent Area)7Piers Concret E7Stains (Percent Area)7Stains (Percent Area)7Stains (Percent Area)7Stains (Percent Area)7Stains (Percent Area)7Stains (Percent Area)7Stains (Percent Braing Stains (Percent Area)Perce Stains (Percent Braing Stains (Percent Area)Stains (Percent Braing Stains (Percent Area)Stains (Percent Braing Area)Sta			6	5		
(Expansion Type : ROCKER BEARING) ((Fixed Type : PINNED BEARING) Coating Adequate (YN) Yes Functioning (YN) Yes Dack Underside 4 5 Stains (Parcent Area) 2 Span Alignment Problems Efflorescence, cracks & corrosion stains @ dack exterior and weep tubes. Vertical (YN) No Horizontal (YN) No Superstructure General Rating 4 5 Bridge Component Lask Now Explanation of Condition Abutments Beackwalls/Breastwalls 6 4 Beackwalls/Breastwalls 6 4 Beackwalls/Breastwalls 7 7 Beackwalls/Breastwalls 7 7 Piles N N Baint/Coating X X Abutment Stability 7 7 Fire/Benst 7 7 Grype : CONCRETE) Foreion gully at NW from joint drainage. Pint/Coating 7 7 Abutment Stability 7 7 Fire/Benst 7 7 <t< td=""><td></td><td>12</td><td></td><td></td><td></td></t<>		12				
INNED BEARINGCosting Adequate (YN)YesPanclioning (YN)YesStains (Parcent Area)22Efforescence, cracks & corrosion stains @ deck exterior and weep bubes. Exposed rebar @ abutments. 90% rates 7.Span Alignmen ProblemsExposed rebar @ abutments. 90% rates 7.Superstructure General Rating45Bridge ComponentLastNoBridge ComponentLastNoBearing Seats/Caps64Span Alignments5Bearing Seats/Caps66Crype : PLER-SOLID)77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating77Pint/Coating Coacesting (Colour Cade :)7Pint/Coating Coacesting :)77Pint/Coating Coacesting :)77Pint/Coating Coacesting :)77Pint/Coating Coacesting :)77	· · · · ·					
Coating Adequate (Y/N)YesImage: Control of		· · · · · · · · · · · · · · · · · · ·				
Functioning (V/N)YesImage: Constraint of Constraint						
Deck Underside Stains (Percent Area) 2 Iteration (Provide a constraints) Constran					-	
Stains (Percent Area)2Ubes. Exposed rebar @ abutments. 90% rates 7.Span Alignment ProblemsNoExposed rebar @ abutments. 90% rates 7.Ventcal (Y/N)NoImage: Space Problem ProblemsSuperstructure General Rating45Superstructure General Rating45Bridge ComponentLastNowAbutmentsSpall at NW abut seat.(Type : CONCRETE)Spall at NW abut seat.Backwalls/Breastwalls64Searing Seats/Caps67PilesNNBurindCoatingNNAbutment Stability77Piles77Scour/Erosion77Pres/Bents77Cype : CONCRETE)TFres/Bents77Cype : CONCRETE)TFres/Bents77Cype : CONCRETE)TFres/Bents77Cype : Staft/Piles77Pier Shaft/Piles77Pier Shaft/Piles77Pier Shaft/Piles77Paint/CoatingT7Paint/CoatingT7Pier Stability77Pier Stability77Pier Stability77Pier Stability77Pier Shaft/Piles77Pier Stability77Pier Stability77Pier Stability77Pier		100	1	5	Efflorescence, cracks & corrosion stains @ deck exterior and ween	
Separalignment ProblemsVertical (Y/N)NoHoizontal (Y/N)NoSuperstructure General RatingSuperstructure General RatingBeading Seats/Caps6SuperstructureSuperstructureSuperstructure General RatingBearing Seats/Caps7777777777777777777777777777777 <th colsp<="" td=""><td></td><td>2</td><td></td><td>J</td><td>tubes.</td></th>	<td></td> <td>2</td> <td></td> <td>J</td> <td>tubes.</td>		2		J	tubes.
NoNoNoHoizontal (Y/N)NoImage: Constructure General Rating View Constructure Ra		2			Exposed rebar @ abutments. 90% rates 7.	
Horizontal (Y/N)NoImage: NoImage: NoSuperstructure General RatingA5Superstructure General RatingBridge CompontLast NowExplanation of ConditionAbutmentsBridge Compont (NoSuperstructure General RatingBearing Seats/CapsSuperstructure General RatingBearing Seats/CapsSpall at NW abut seat.(Type : CONCRETE)Backwalls/BreastwallsffGASpall at NW abut seat.(Type : CONCRETE)Piers/BentsF resident (No(Type : PIER-SOLID)Fiers/BentsTo7To7(Type : PIER-SOLID)Piers/Bents(Type : PIER-SOLID)Fiers/BentsToToToToToToToToToToToToToToToToToTo						

Structure Usage										
		Last	Now	Explanation of Condition						
Channel										
(U/S Direction : W)			Sidewalk under span 1.							
(D/S Direction : E)			_							
Alignment		8	8							
Bank Stability			7							
HWM (m below Top of Curb) 6.5				No visible HWM.						
Drift (Y/N)	No									
Slope Protection		8	8	Along South slope only. Concrete apron @ North.						
(Type : RIP RAP; RIP RAP)										
Guidebank/Spurs		X	X							
Adequacy of Opening	Adequacy of Opening									
(Fish Compensation Measure 1	NONE)									
(Fish Compensation Measure 2	NONE)									
Channel General Rating		8								

Alberta Transportation

Maintenance Recommendations												
Inspector Recommendations		Year	Inspecto	r Comments		Department Co	ommer	nts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL												
GALVANIZE/PAINT BRIDGE RAIL												
RETROFIT BRIDGE RAIL												
SEAL CURBS												
PATCH DECK		2012	Patch de	ck pothole (X2) 0.5m2.								
SEAL DECK		2012	Seal crac	cks in chipcoat/ ACP.								
OVERLAY DECK												
REPAIR/REPLACE DECK JOINTS		2012	Repair deflector	eck joint plumbing- both abu plates.	uts. Install							
RESET/ PAINT BEARINGS												
REPAINT SUPERSTRUCTURE												
STRAIGHTEN/REPLACE MEMBERS												
WASHING												
SHOTCRETE REPAIRS												
REPAIR ABUTMENT SCOUR/EROSIC	DN 2	2012	Repair N	W erosion 0.5m3 pit run.								
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
OTHER ACTION		2012		C52-49 and C53-55.								
OTHER ACTION		2012	Patch NV	V abut seat-0.5 m2.								
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow)	55.6/50.	.0	Sufficiency Rating (Last/ (%)	Now)	43.1/38.8	Es	t. Repl. Yr	2037	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection						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 Garry		Roberts			Previous	Assistant's Name	Jason Rusu					
Next Inspection Date	13-Mar	-2014			Previous I	vious Inspection Date 11-Oct-2010						
Inspection Cycle (Default) (months) 21												
Comment												