						E	Bridge I	nspec	ction					
Bridge File Number 78808 -1 Bridge							Form Type			PSR	PSR			
Year Built/Year 1978/1978							Lot No.			2				
Supstr							Inspector Name			Shane Hal	Shane Hall			
Bridge or Town Name COALSPUR							Insp	Inspector Class		BR CLS A				
Located Over		CNR						Assi	Assistant Name					
Located On		47:06 C1	0.000					Assi	istant Cla	ass				
Water Body CI./								Insp	ection D	ate	16-Oct-201	12		
Navigabil. Cl./Ye								Data	a Entry B	By	Theresa La	acusta		
Legal Land Location SW SEC 33 TWP 48 RGE 21 W5					5M		Data	a Entry D	Date	19-Nov-20	12			
Longitude, Latitude -117:01:11, 53:10:57								iewer Na		Eric Carco	ux			
Road Authority Alberta Transportation (AIT)							Revi	iew Date	;	12-Nov-20	12			
Contract Main. A	rea	CMA13						Dep	t. Reviev	ver Name	Brent Herri	ick		
Clear Roadway/	Skew	14.6 / 50	deg. (RH	HF)				· · ·	t. Reviev		20-Nov-20			
AADT/Year		1,020 / 2	2011 (A)						ow-Up B					
Road Classificat	ion	RAU-213	3.4-120					_		,				
Detour Length (k	(m)	50												
Allowable Load (t): Sin	gle CS1	28		Semi	C	S2 49			rain C	S3 62		> On Critical Spans >Critical Member	
Design Loading:		HS2	25										> Primary	/ Span
						Po	osting I	nform	nation					
Required Vert. C	learan	ce Postin	ıg (m)											
Posted Vertical (Clearar	nce (Y/N)		No										
Posted: Lane	EB	On B	ridge (m)		In Adv	ance	(Y/N)		Lane	WB	On Bridge (m	n)	In Advanc	e (Y/N)
Remarks	Not re	quired. T	rack mea	sure = 7	7.12m.									
Required Load F	Posting	(t)		Single					Semi			Truc	k Train	
Posted Loading	(t)			Single			Semi				Truc	k Train		
Posted:	Lane	NB		At June	ction (Y	′/N)	N) No		In Advance (Y/N)		No	At B	ridge (Y/N)	No
Posted:	Lane	SB		At June	ction (Y	Y/N) No			In Advance (Y/N)		No	At B	ridge (Y/N)	No
Remarks	CS3 a	llowable	is below l	egal lim	it.									
Hazard Marker A	At Bridg	e (Y/N)	Yes											
Remarks														
Other Sign Type	s		Informa	tion, 25	kph cu	irve S	B, Win	ding R	Road NB.					
					·		ilities (
Utility Attachmer	nts TE	ELEPHO	NE UTILI	TIES-PH	HONE L	LINE								
Telephone	East r/	/w.						Gas						
Power	5 wires	s 30m Ea	ast, 3 wire	es crossi	ng 50n	50m North.			Municipal					
Others			nent gauges @ South bank					Problem (Y/N) No						
Remarks				<u> </u>										
							Approa	ach Ro	oad					
						Last	Now	Exp	Explanation of Condition					
Horizontal Alignr	ment					4	4		90 degree corner 30m South, speed reduced to 25 kph; signag					h; signage in
/ertical Alignme	nt					4	6	plac	e.					
Roadway Width	(m)		12.400					Shal	llow pot	holes alo	ng N abut. de	eck join	tphoto	
Approach Bump						7	5							
Guardrail (Y/N) Yes					Not	thrie bea	am transit	ion.						
Juardrail (Y/N)						4	4	Brok	ken post	at SW co	rnerphoto			
Guardrail Length (m)	ard (Y/I	N)	No											
Guardrail Length (m) Current Standa		N)	No Turned	Down										
Guardrail Length (m)		N)		Down		5	5	-						

Superstructure												
Bridge Comp	oonent				Last		Explanation of Condition					
(Primary Span : RD, 3 Spans, Lengths(m): 22.9-24.4-21.3, A-Ident Number:)												
Special Feat	ures											
Special Featu						Х						
(Type :)					1							
Special Featu	ire					Х						
(Type :)						~						
	ace/Deck Top	Dotail	Pating	<u>.</u>								
	N (%)	1 (%)	Italinga	2 (%)	3 (%)							
Last	0		0	0	<i>,</i> ,	0						
Now	0		0	0		0						
					0	-						
Wearing Surf (Material Ty COAT)		ETE - C	ONVE	NTIONAL CHI	6 P SEA	5 L	Chipseal over HDC.					
(Thickness((mm) : 50)											
Lateral Conne (Y/N)	ection Problem	n l	No									
Deck Top					N	N						
Deck Rideabi	ility				7	8						
Deck Joints					4	4	South abutment fingers not seated level, up to 10mm above deck					
Temperatur	re (deg. C)		4				and misaligned due to rotation movement of deck due to skew forces. P1, P2, A2 - 25mm AIFB. South deck joint drain trough severely rusted08-Nov-2010					
(Expansion	Type : FINGE		TES)									
				RD)			Small potholes along North abutment joint - photo.					
Gap Size (r				ocation			Leakage through fiberboard at piers is evident with water staining on					
155 South abutment-fing						e	caps and girder undersidesphoto					
25 Pier 1-AIFB												
25		Pier 2										
25			North	abutment-AIFI	В							
Deck Drainag	1e				4	4	Deck at peak of crest curve. Seepage at finger plates allows water					
Drains Clog	•		No			-	onto A1 seat. Caps and girder ends stained below all joints.					
							No deck drains.					
Curbs/Mediar					4	4	Curb C.J. not sealed. SW spalling @ waterstop joints, rust staining, spall at NE joint - photo.					
(Curb Type	: Standard)				1		Delam at W curb over P2photo					
Scaling (Pe	rcent Area)		8			_						
Bridge Rail					5	4	Nuts & washers missing on a single anchor bolt at 12 locations.					
(Type : GA	LVANIZED ST	EEL B	RIDGE	TUBE)			Along West railing - photo. Rust staining along bridge rail post base plates (100% of posts).					
Bridge Rail P	osts				3	3	Dirty.					
(Type : GAI STEEL)	LVANIZED PC	OST ST	EEL;G		POST		Splice bolts missing in numerous locations on railsphoto					
Bridge Rail/P	osts Coating				7	7						
(Type : GAI												
Sidewalk					X	X						
Girder Detail	Ratings											
Junio Dotali	N (count)	1 (cou	int)	2 (count)	3 (cou	unt)						
Last	0		0	0		1						
Now			-	-		2						
Girders	1	1		1	3	3	G1/S1, has vertical cracks on					
	(/NI)		Yes		5	5	end with rust stains - photo.					
Cracking (Y							Narrow diag, cracks at S and G13 -photo					
v .	ercent Area)		0				Narrow diag. cracks at S end G13photo					
(Number Of C	siraers : 39)											

(Primary Span : E0, 3 Spans, Longths (m): 22.9-24.4-21.3, A-ident Number :) DisphragmS/Coos Frame X X Bearings 4 4 Some recorrere pads shifted & not bearing fully on plate. Bearing bads diatoined due to skiew. Temperature (deg. C) 8				Supers	tructure
Disphragms/Cross Frame X X Bearings 4 4 Bearings 4 4 Construction 8 (Expansion Type: REINFORCE DA DO BEARING) Coaling Adequate (YN) Yes Dischards 7 4 Stains (Form train exhaust middle span. Stains (Percent Area) 20 Stains (Percent Area) 20 Stains (Percent Area) 20 Stains (VN) No Substructure Stains from train exhaust middle span. Substructure General Rating 3 Stains (Percent Area) 20 Stains (Percent Area) 20 Substructure Substructure Baring Seats/Caps 4 (Ype : CONCRETE) Substructure Stains (Percent Area) 5 Stains (Percent Area) 5 Stains (Percent Area) 6 Stains (Percent Area) 6 Stains (YN) No Hotzontal (VN) No Baring Seats/Caps 4 Stains (Percent Area) 5 Stains (Percent Area) 5 Stains (Percent Area) 5 Stains (Percent Area) 5 Baring Seats/Caps 4	Bridge Component		Last	Now	Explanation of Condition
Barings 4 4 4 A Some neoprene pads shifted & not bearing fully on plate. Bearing pads distorted due to skew. I Expansion Type; REINFORCED PROPERENE BEARING/ Coading Adequate (YN) Yes Pathole (State (St	(Primary Span : RD, 3 Spans,	Lengths(m): 22.9-24.4-2	21.3, A	Number:)	
Temperature (deg. C) 8 Pade distorted due to skew. [Expansion Type: REINFORCED PAD BEARING) Control Advances Coating Advances 7 4 Stains (Percent Area) 20 Stains (Percent Area) 20 Stains (Percent Area) 20 Verifical (VN) No Horizontal (VN) No Verifical (VN) No Verifical (VN) No Superstructure General Rating 3 Stains (Percent Area) 20 Superstructure General Rating 3 Superstructure General Rating 3 Superstructure General Rating 5 Stains (Percent Area) 20 Verifical (VN) No Fiftge Component Last Abutments 5 Stains (Percent Area) 5 Stains (Percent Area) <t< td=""><td>Diaphragms/Cross Frame</td><td></td><td>X</td><td>X</td><td></td></t<>	Diaphragms/Cross Frame		X	X	
Interpretative (eg. C) 0 (Fryension Type: REINPORCED NEOPRENE BEAKING WITH TEFLON AND STAILESS STEL) (Fried Type: REINPORCED NEOPRENE BEAKING WITH TEFLON AND STAILESS STEL) (Fried Type: REINPORCED NEOD BEARING)	Bearings		4	4	Some neoprene pads shifted & not bearing fully on plate. Bearing
TFFLON AND STAINLESS STEEL) (Fived Type : REINFORCED PAD BEARING) Coating Adequate (V/N) Yes Functioning (V/N) Yes Stains from train exhaust middle span. Stains from train exhaust middle span. Stains (Percent Area) 20 Superstructure General Rating 3 Stains (Percent Area) Yenical (Y/N) No Stains (Percent Area) 20 Superstructure General Rating 3 Superstructure General Rating SUBStructuro Superstructure General Rating Superstructure General Rating SUB-Structure General Rating SUB-S	Temperature (deg. C)	8			pads distorted due to skew.
(Fixed Type : REINFORCED PAD BEARING) Coaling Adaquate (Y/N) Yes Dack Underside 7 4 Stains from train exhaust middle span. Stains (Percent Area) 20	(Expansion Type : REINFOR	CED NEOPRENE BEAR	RING W	VITH	
Coating Adequate (V/N) Yes Functioning (V/N) Yes Stains from train exhaust middle span. Stains from train exhaust middle span. Stains florenet Area 20 Span Alignment Problems 20 Super Structure General Rating 3 Bridge Component Lass Horizontal (V/N) No Superstructure General Rating 3 Bridge Component Lass Abutments SW corner cracked under S1G1. SW corner spalledphoto Magnetic Status 5 BackwalkyBreastwaits 5 Sourder Go & 6. SW corner cracked under S1G1. SW corner spalledphoto Mignet Area and and under G2.3,4,5,6,7, & X2 under Go & 6. X BackwalkyBreastwaits 5 5 Files N N Paint/Coating 5 5 Stains at ends and underside of P1 cap from leakage at A1 FB join rholesphoto (Type : PIER-COLUMN) Stains at ends and underside of P1 cap from leakage at A1 FB join rholes.ape through file brough file brough. Filer Shaft/Piles 6 7 Filer Shaft/Piles		,			-
Functioning (Y/N) Yes Deck Underside 7 4 Stains (Percent Araa) 20 Span Alignment Problems Vertical (Y/N) No Vertical (Y/N) No Image: Comparison of Condition Superstructure General Rating 3 3 Superstructure General Rating 3 3 Bridge Component Last Now Explanation of Condition Abuttments Stains (Percent Araa) 20 Wingsels 4 4 SW corner cracked under S1G1. SW corner cracked under S1G1. SW corner cracked under S1G1. SW corner spalledphoto SW corner spalledphoto of S 6. (Type : CONCRETE) SV SV Wingwalls 5 5 Piles N N 18 H-piles (staggerod/battered) per abutment. Parit/Coating 5 5 Top of abut seats sealed. Abutment Stability 5 5 Sour/Ecose (Type : CONCRETE) Vertise stating at ordes and underside of P1 cap from leakage at A1 FB join leakage through fiberboard. Stating at ordes and underside of P1 cap from leakage at A1 FB join leakage through	, * ,				-
Deck Underside 7 4 Stains from train exhaust middle span. Stains (Percent Area) 20					-
Stains (Percent Area) 20 Span Alignment Problems		165	7	4	Ctains from train subsust middle on an
Span Alignment Problems Varical (Y/N) No Superstructure General Rating 3 3 Superstructure General Rating 3 3 Bridge Component Last Now Explanation of Condition Abutments Substructure SW corner cracked under \$161. SW corner cracked under \$161. (Type : CONCRETE) SW corner cracked under \$161. SW corner cracked under \$161. SW corner cracked under \$161. (Type : CONCRETE) SW corner cracked under \$161. SW corner cracked under \$161. SW corner cracked under \$161. (Type : CONCRETE) SW corner cracked under \$161. SW corner cracked under \$161. SW corner cracked under \$161. Statis//Breastwalls 5 5 SW corner cracked under \$161. SW corner cracked under \$161. Wingwalls 5 5 SW corner cracked under \$161. SW corner cracked under \$161. Paint/Coating 5 5 Statis at sease and \$161. SW corner cracked under \$161. Paint/Coating 5 5 Top of abut seats sealed. A Abutment Stability 5 5 Statis at ends and underside of P1 cap from leakage at \$14 FB join \$-photos Statis Concrete(Cornererereco		20	1	4	Stains from train exhaust middle span.
Vertical (Y/N) No Hoizontal (Y/N) No Superstructure General Rating 3 3 Bridge Component Last Now Explanation of Condition Abutments SW corner spatied -photo SW corner spatied -photo (Type : CONCRETE) SW corner spatied -photo Medium vertical racks with rust stains at A1 under G2,3,4,5,6,7, & A2 under G5 & 6. Backwalls/Breastwalls 5 5 Wingwalls 5 4 Parging on SW wingwall failing. Piles N N 18 H-piles (staggered/battered) per abutment. Parint/Coating 5 5 Top of abut seats sealed. Abutment Stability 5 5 Sour/Erosion 4 4 (Type : PIER-COLUMN) Full spats, datam tracks @ East ands both piers-photo splatos. Stains at ends and underside of P1 cap from leakage at A1 FB join -photos. (Total Number of Bearing Piles : 8:8) Concrete filled pipe piles. Concrete filled pipe piles. Pier Shatt/Piles 6 7 7 Reacing/Struk/Sheathing X X Nose Plate X X Nose Plate Y 7	· · · · · ·	20			
Horizontal (Y/N) No Superstructure General Rating 3 3 Superstructure General Rating Superstructure Superstructure Bridge Component Last Now Explanation of Condition Abutments SW corner spalledphoto Medium vertical cracks with rust stains at A1 under G2,3,4,5,6,7, & A2 under G8 & 6. Backwalls/Breastwalls 5 5 4 Parging on SW wingwall failing. Piles N N 18 H-piles (staggered/battered) per abutment. Paint/Coating 5 5 5 Piers/Bents 5 5 5 (Type : ICONCRETE) 5 5 5 Piers/Bents 5 5 5 (Type : ICER-COLUMN) 5 5 5 Bearing Seatis/Caps 4 4 4 Piers/Bents 6 7 7 (Type : ICER-COLUMN) X X X Bearing Seatis/Caps 4 4 4 Piers/Bents 6 7 7 (Type : ICER-COLUMN) X X X R		Na			
Superstructure General Rating 3 3 Substructure Substructure Bridge Component Last Now Explanation of Condition Abutments Bearing Seats/Caps 4 4 SW corner cracked under S1G1. SW corner spalled-photo Backwalls/Breastwalls 5 5 Sector Condition Backwalls/Breastwalls 5 5 Parging on SW wingwall failing. Piles N N 18 H-piles (staggered/battered) per abutment. Paint/Coating 5 5 For of abut seats sealed. Abutment Stability 5 5 For of abut seats sealed. Pers/Bents Rust spots, delam cracks @ East ends both piersphoto Stains at ends and underside of P1 cap from leakage at A1 FB join -photos. Concrete filled pipe piles. Concrete filled pipe piles. Concrete filled pipe piles. Per Shaft/Piles 6 7 Staining from train exhaust, paint peeling on several columns, worst is P1-3 at pier 1, with rust @ bottom. Orange colour. Colour Description :) 7 7 7 Ident/Coating 4 4 7 Paint/Coating 4 4 4 Stain					-
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Bridge Component AbutmentsLast NowExplanation of ConditionAbutmentsVertical State CapsVertical State CapsBearing Seats/Caps44(Type: CONCRETE)SSBackwalls/Breastwalls55Backwalls/BreastwallsS4PilesNN18 H-piles (staggered/battered) per abutment.Piles555Abutment Stability55Scour/Erosion55Pers/Eroston55Type : PIER-COLUMN:55Croster State Ads and underside of P1 cap from leakage at A1 FB join roholos.State at ends and underside of P1 cap from leakage at A1 FB join Sharing at ends and underside of P1 cap from leakage at A1 FB join roholos.(Total Number of Bearing Piles - State67Piers Colums:53Statis at ends and underside of P1 cap from leakage at A1 FB join roholos.(Total Number of Bearing Piles - State67Piers Adr/Piles67Piers Shaft/Piles67Piers Shaft/Piles67PiantCoating44PiantCoating44PiantCoating44PiantCoating44PiantCoating44PiantCoating44PiantCoating44PiantCoating44PiantCoating44PiantCoating44PiantCoating44 </td <td>Superstructure General Ratin</td> <td>Ig</td> <td>3</td> <td>3</td> <td></td>	Superstructure General Ratin	Ig	3	3	
Bridge Component AbutmentsLast NowExplanation of ConditionAbutmentsVertical State CapsVertical State CapsBearing Seats/Caps44(Type: CONCRETE)SSBackwalls/Breastwalls55Backwalls/BreastwallsS4PilesNN18 H-piles (staggered/battered) per abutment.Piles555Abutment Stability55Scour/Erosion55Pers/Eroston55Type : PIER-COLUMN:55Croster State Ads and underside of P1 cap from leakage at A1 FB join roholos.State at ends and underside of P1 cap from leakage at A1 FB join Sharing at ends and underside of P1 cap from leakage at A1 FB join roholos.(Total Number of Bearing Piles - State67Piers Colums:53Statis at ends and underside of P1 cap from leakage at A1 FB join roholos.(Total Number of Bearing Piles - State67Piers Adr/Piles67Piers Shaft/Piles67Piers Shaft/Piles67PiantCoating44PiantCoating44PiantCoating44PiantCoating44PiantCoating44PiantCoating44PiantCoating44PiantCoating44PiantCoating44PiantCoating44PiantCoating44 </td <td></td> <td></td> <td></td> <td>Subst</td> <td>ructure</td>				Subst	ructure
Abutments 4 4 4 5 Bearing Seats/Caps 4 4 5W corner cracked under S1G1. SW corner spalled -photo Medium vertical cracks with rust stains at A1 under G2,3,4,5,6,7, & A2 under G5 & 6. Backwalls/Breastwalls 5 5 Wingwalls 5 5 Wingwalls 5 4 Parging on SW wingwall failing. Piles N N 18 H-piles (staggered/battered) per abutment. Paint/Coating 5 5 Top of abut seats sealed. Abutment Stability 5 5 Scour/Erosion Piers/Bents rays at nds and underside of P1 cap from leakage at A1 FB join -photos. Stains at onds and underside of P1 cap from leakage at A1 FB join -photos. (Type : CONCRETE) Wide horiz, cracks under G3,G11,G13@P2. Water staining at P2 from leakage through fiberboard. Staining from train exhaust, paint peeling on several columns, worst is P1-s3 at pier 1, with rust & bottom. Orange colour. (Total Number of Bearing Piles : 8:8) Concrete filled pipe piles. Pier Shaft/Piles 6 7 Pand(Coating X X Paint/Coating X X Paint/Coating X X Paint/Coating <	Bridge Component		Last		
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Medium vertical cracks with rust stains at A1 under G2,3,4,5,6,7, & A2 under G5 & 6. Backwalls/Breastwalls 5 5 Wingwalls 5 4 Parging on SW wingwall failing. Piles N N 18 H-piles (staggered/battered) per abutment. Paint/Coating 5 5 Top of abut seats sealed. Abutment Stability 5 5 Top of abut seats sealed. Scour/Erosion 4 5 5 Piers/Bents Trype : Pier-CoLUMN) Full spots, delam cracks @ East ends both piersphoto Stains at ends and underside of P1 cap from leakage at A1 FB join - photos. Stains at ends and underside of P1 cap from leakage at A1 FB join - photos. (Type : CONCRETE) 4 4 Tom leakage through fiberboard. (Total Number of Bearing Piles : 8:8) 6 7 Pier Shatt/Piles 6 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 4 4 Paint/Coating 4 7 Pier Stability 7 7 Scour 4 7	Bearing Seats/Caps		4	4	
Backwalls/Breastwalls 5 5 Wingwalls 5 5 Wingwalls 5 4 Piles N N Paint/Coating 5 5 Abutment Stability 5 5 Scour/Erosion 4 5 Piers/Bents Top of abut seats sealed. (Type : PIER-COLUMN) Fers/Beats/Caps 4 Gearing Seats/Caps 4 4 (Type : CONCRETE) Fers/Beating Piles : 8:8) Pier Shatt/Piles 6 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 4 4 Scour 4 4 Scour 7 7					Medium vertical cracks with rust stains at A1 under G2,3,4,5,6,7, &
Piles N N 18 H-piles (staggered/battered) per abutment. Paint/Coating 5 5 Top of abut seats sealed. Abutment Stability 5 5 Socur/Erosion 4 5 Piers/Bents Kust spots, delam cracks @ East ends both piersphoto Stains at ends and underside of P1 cap from leakage at A1 FB join -photos. (Type : PIER-COLUMN) Kust spots, delam cracks @ East ends both piersphoto Stains at ends and underside of P1 cap from leakage at A1 FB join -photos. (Type : CONCRETE) Vide horiz, cracks under G3,G11,G13@P2. Water staining at P2 from leakage through fiberboard. Concrete filled pipe piles. Pier Shaft/Piles 6 7 Concrete filled pipe piles. Piant/Coating X X Paint/Coating from train exhaust, paint peeling on several columns, worst is P1-3 at pier 1, with rust @ bottom. Orange colour. Colour Description :) (Colour Description :) F1-3 at pier 1, with rust @ bottom. Orange colour. Pier Stability 7 7 7 Scour 4 7 7	Backwalls/Breastwalls		5	5	
Paint/Coating 5 5 Top of abut seats sealed. Abutment Stability 5 5 Scour/Erosion 4 5 Piers/Bents (Type : PIER-COLUMN) Bearing Seats/Caps 4 4 (Type : CONCRETE) 4 4 (Type : CONCRETE) 4 4 (Total Number of Bearing Piles : 8:8) 7 Pier Shaft/Piles 6 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating (Colour Description :) (Colour Code :) 4 4 Pier Stability 7 7 Scour 4 7	Wingwalls		5	4	Parging on SW wingwall failing.
Abutment Stability 5 5 Abutment Stability 5 5 Scour/Erosion 4 5 Piers/Bents	Piles		N	N	18 H-piles (staggered/battered) per abutment.
Scour/Erosion 4 5 Piers/Bents (Type : PIER-COLUMN) Rust spots, delam cracks @ East ends both piersphoto Stains at ends and underside of P1 cap from leakage at A1 FB join -photos. (Type : CONCRETE) Wide horiz. cracks under G3,G11,G13@P2. Water staining at P2 from leakage through fiberboard. (Total Number of Bearing Piles : 8:8) Concrete filled pipe piles. Pier Shaft/Piles 6 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating (Colour Description :) (Colour Code :) Staining from train exhaust, paint peeling on several columns, worst is P1-3 at pier 1, with rust @ bottom. Orange colour. Pier Stability 7 7 Scour 4 7	Paint/Coating		5	5	Top of abut seats sealed.
Piers/Bents Rust spots, delam cracks @ East ends both piersphoto Stains at ends and underside of P1 cap from leakage at A1 FB join -photos. Stains at ends and underside of P1 cap from leakage at A1 FB join -photos. (Type : CONCRETE)	Abutment Stability		5	5	
(Type : PIER-COLUMN) Rust spots, delam cracks @ East ends both piersphoto Bearing Seats/Caps 4 4 (Type : CONCRETE)	Scour/Erosion		4	5	
Bearing Seats/Caps 4 4 A Stains at ends and underside of P1 cap from leakage at A1 FB join -photos. (Type : CONCRETE) Stains at ends and underside of P1 cap from leakage at A1 FB join -photos. Wide horiz. cracks under G3,G11,G13@P2. Water staining at P2 from leakage through fiberboard. (Total Number of Bearing Piles : 8:8) 6 7 Pier Shaft/Piles 6 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 4 4 (Colour Description :) 5 (Colour Code :) 7 7 Pier Stability 7 7 Scour 4 7	Piers/Bents				
Beating Seats/caps 4 4 - photos. (Type : CONCRETE)	(Type : PIER-COLUMN)				Rust spots, delam cracks @ East ends both piersphoto
(Type : CONCRETE) Wide horiz. cracks under G3,G11,G13@P2. Water staining at P2 from leakage through fiberboard. (Total Number of Bearing Piles : 8:8) Concrete filled pipe piles. Pier Shaft/Piles 6 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 4 4 (Colour Description :) Staining from train exhaust, paint peeling on several columns, worst is P1-3 at pier 1, with rust @ bottom. Orange colour. Pier Stability 7 7 Scour 4 7	Bearing Seats/Caps		4	4	
Pier Shaft/Piles 6 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 4 4 Staining from train exhaust, paint peeling on several columns, worst is P1-3 at pier 1, with rust @ bottom. Orange colour. Your Code :) Your Code :) Your Code :) Pier Stability 7 7 Scour 4 7	(Type : CONCRETE)				Wide horiz. cracks under G3,G11,G13@P2. Water staining at P2
Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 4 4 (Colour Description :) 4 4 (Colour Code :) Fraction (Colour Code :) 7 Pier Stability 7 7 Scour 4 7	(Total Number of Bearing Piles	: 8:8)			Concrete filled pipe piles.
Nose Plate X X Paint/Coating 4 4 (Colour Description :) 4 4 (Colour Code :) 5 5 Pier Stability 7 7 Scour 4 7	Pier Shaft/Piles		6	7	
Paint/Coating 4 4 (Colour Description :) (Colour Code :) 4 4 Pier Stability 7 7 Scour 4 7	Bracing/Struts/Sheathing		Х	Х	
(Colour Description :) is P1-3 at pier 1, with rust @ bottom. Orange colour. (Colour Code :) 7 Pier Stability 7 Scour 4	Nose Plate		X	Х	
(Colour Description :) is P1-3 at pier 1, with rust @ bottom. Orange colour. (Colour Code :) 7 Pier Stability 7 Scour 4	Paint/Coating		4	4	Staining from train exhaust, paint peeling on several columns, worst
(Colour Code :) Pier Stability 7 7 Scour 4 7	T				is P1-3 at pier 1, with rust @ bottom. Orange colour.
Pier Stability 7 7 Scour 4 7	· /				
	Pier Stability		7	7	
Debris (Y/N) No	Scour		4	7	
	Debris (Y/N)	No		1	

Alberta Transportation

Substructure									
Bridge Component		Last	Now	Explanation of Condition					
Substructure General Rating		4	4						
		S	structu	re Usage					
		Last	Now	Explanation of Condition					
Grade Separation			_						
Road Alignment			X						
Traffic Safety Features			Х						
Туре	NONE								
Slope Protection		4	4	Slope protection settled @ both abutments, concrete uneven.					
(Type : CONCRETE; CONCRETE)				North slope down 170 and out 150. South slope down 900. Slope monitor gauges @ South embankment.					
Bank Stability			4	Loss of fill under South abutment concrete. Slope protection buckling @ S. toe.					
Drainage			4	South abutment drainage causing headslope settlement.					
Grade Separation General Rati	ng	4	4						

Alberta Transportation

			_	Maintenance Rec	ommend	ations					
Inspector Recom	nendations	Year	Inspector (Comments		Department Co	omments		Target Year	Est. Cost	Cat #
REPAIR/REPLAC	E BRIDGE RAIL	2013	Anchor bo bolts(28)	t nuts & washers (12). Splic	e						
GALVANIZE/PAI	IT BRIDGE RAIL										
SEAL CURBS											
PATCH DECK											
SEAL DECK											
OVERLAY DECK											
REPAIR/REPLAC	E DECK JOINTS	2013	necessary		-						
			Repair pot joints at P1 infiltration.	noles at N abut. Seal tops o , P2 and A2 to prevent wate	f deck er						
RESET/ PAINT B	EARINGS										
WASHING											
SHOTCRETE RE	PAIRS										
REPAIR ABUTME	NT SCOUR/EROSIC	N									
PLACE ADDITIO	NAL RIP RAP										
REMOVE DRIFT	ACCUMULATION										
OTHER ACTION		2013	Replace of	ne broken gurardrail post.							
OTHER ACTION		2013	Repair de construction	aminated/spalled curbs. Se n joints in curbs.	eal						
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condi (%)	tion Rating (Last/No	ow) 38.9/38.	9 S	ufficiency Rating (Last/No %)	ow) 3	6.5/36.5	Est. Repl. Yr	2033	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girder crack	ing, cracks in pie	er/abutment	5.		Department Comments					
Maintenance Reviewed By					Date		E	stimated Total	1 0		

Alberta Transportation	Bridge Inspection & Maintenance System (V	Veb 2005) 788	78808 -1 Bridge			
Proposed Long-Term Strategy						
On 3-Year Program (Y/N)						
Proposed Action						
Previous Inspector's Name	Wayne Cappellani	Previous Assistant's Name	Bryan Wai			
Next Inspection Date	16-Jul-2014	Previous Inspection Date	03-Oct-2012			
Inspection Cycle (Default) (months)	21					
Comment						