201 me 216)97 S-2 Bridge 1/2011	e								80				
201 me 216						spection Form Type			· · · ·	SG				
		2011/2011				Lot No.			2	2				
						Inspector Name			1	Randy Bredo				
216	Name 216 / Manning Drive Interchange					Inspector Class				BR CLS A				
216:02 L1 6.691							Assistant Name							
15:0	15:03 L1 0.690							Assistant Class						
ly Cl./Year					Inspection Date				16-Apr-2012					
Navigabil. Cl./Year					Data Entry By				Jill Potts					
Legal Land Location SE SEC 1 TWP 54 RGE 24 W4M			W4M			Data Entry Date			(03-May-2012				
Longitude, Latitude -113:23:40, 53:38:05						Reviewer Name				Dave Lam				
Road Authority Alberta Transportation (AIT))			Review Date			2	22-Apr-2012				
Contract Main. Area UNDEFINED CMA						Dept. Reviewer Name								
ew 12.9	9 /					Dept. Review Date				12-Jun-2012				
						· · ·								
<u> </u>						_		,						
) 1														
Single	CS1 28	:	Semi	CS2	49	Train CS		CS3	8 62	> On Crit >Critical	> On Critical Spans >Critical Member			
	CL800										> Primar	y Span		
				Post	ting Ir	nform	nation							
arance F	Posting (m)													
arance	(Y/N)							1						
3	On Bridge (m) In	n Advanc	ce (Y/	′/N)	No	Lane	WB	On	Bridge (m)	In Advanc	e (Y/N)		
oad is no	ot open. VC si	igns requir	ed when	road	d is op	bened	to traffi	с.						
Required Load Posting (t) Single						ę	Semi			-	Truck Train			
Posted Loading (t) Single						Semi			-	Truck Train				
ine	SB At Junction (ion (Y/N)) N	lo	I	In Adva	nce (Y/N	۹)	No	At Bridge (Y/N)	No		
ine			ion (Y/N)) N	lo	In Advance (Y/N		۹)	No	At Bridge (Y/N)	No			
Remarks Not required.														
Bridge (\	r/N) No													
Remarks Not required.														
				Utilit	ties (L	ocate	ed at)							
						Gas								
						Municipal								
ght stan	dards.					Problem (Y/N) Yes			s					
ght stan	dards not gro	uted.												
				Ap	pproa	ch Ro	oad							
			La	st I	Now	Explanation of Condition								
nt					7	_								
					7	<u> </u>								
Roadway Width (m) 14.000														
					8	<u> </u>								
Guardrail (Y/N) Yes					Exit	Exit 30m long.								
Guardrail				8										
Length (m) 86.000														
Current Standard (Y/N) Yes														
9	Attenu	ation												
					4	Drair	nage wo	orking w	ell b	ut settlement	in corners.			
eneral l	Rating				7									
	1 Single arance ara	$\begin{array}{c c c c c } 1 & \hline CS1 28 & \hline CL800 & \hline CL800 & \hline CL800 & \hline CS1 28 $	1 Single CS1 28 CL800 CL8	I Semi Semi Single CS1 28 Semi cL800 CL800 arance (Y/N) In Advance Single On Bridge (m) In Advance bad is not open. VC signs required when Single ane SB At Junction (Y/N) ane SB At Junction (Y/N) ane SB At Junction (Y/N) ane NB At Junction (Y/N) ane NB At Junction (Y/N) ane Not required. Single ght standards. Not required. In Advance ght standards. In Advance In Advance ght standards. In At Junction (Y/N) In At Junction (Y/N) int In At Junction (Y/N) In At Junction (Y/N) int In At Junction (Y/N) In At Junction (Y/N) int In At Junction (Y/N) In At Junction (Y/N) int In At Junction (Y/N) In At Junction (Y/N) int In At Junction (Y/N) In At Junction (Y/N) int In At Junction (Y/N) In At Junction (Y/N) int	ISingleCS1 28SemiCS2CL800CL800Posarance Posting (m)In Advance (Y/N)arance (Y/N)In Advance (YSingleSingleSingleSingleSingleAt Junction (Y/N)NBAt Junction (Y/N)NoUtiliSingleUtiliSingleVSingleAt Junction (Y/N)NoVolspan="2">Volspan="2">Volspan="2">Volspan="2">Volspan="2">Volspan="2"SingleVolspan="2">Volspan="2">Volspan="2"SingleVolspan="2">Volspan="2"Volspan="2"Volspan="2"SingleVolspan="2"NBAt Junction (Y/N)NoVolspan="2"Volspan="2"ItalVolspan="2"Volspan="2"Volspan="2"Volspan="2"Volspan="2"Volspan="2"Volspan="2"Volspan="2"Volspan="2"Volspan="2"Volsp	1 Semi CS2 49 Semi CS2 49 CL800 Posting In arance (Y/N) arance (Y/N) On Bridge (m) In Advance (Y/N) arance on topen. VC signs required when road is opt open. NB ane SB At Junction (Y/N) No anne NB At Junction (Y/N) No bit required. Not required. Utilities (I ght standards. Not required. Itilities (I ght standards. Not grouted. Itilities (I ght standards. Itilities (I Itilities (I Itilities (I Itilities (I	Image:	1 Semi CS2 49 T CL800 Posting Information arance CS2 49 T arance (Y/N) In Advance (Y/N) No Lane arance (Y/N) In Advance (Y/N) No Lane add is not open. VC signs required when road is opened to traffi Semi Semi ane SB At Junction (Y/N) No In Advance ane NB At Junction (Y/N) No In Advance Bridge (Y/N) No Not required. In Advance In Advance Bridge (Y/N) No Not required. In Advance In Advance Ight standards. Problem (Y/R) No In Advance In Advance Ight standards not grouted. In Advance Problem (Y/R) In Advance Ight standards not grouted. In Advance Regional In Advance Interver <td< td=""><td>IImage: Semi colspan="4">CS2 49TrainSingleCS2 49TrainCL800Posting Informationarance (Y/N)In Advance (Y/N)NoLaneWBarance (Y/N)In Advance (Y/N)NoLaneWBSemiSemiSemiSingleSemiSemiIn Advance (Y/N)NoIn Advance (Y/N)NBAt Junction (Y/N)NoIn Advance (Y/N)NBAt Junction (Y/N)NoIn Advance (Y/N)In Advance (Y/N)NoIn Advance (Y/N)In Advance (Y/N)<th c<="" td=""><td>1 Image: CS1 28 Semi CS2 49 Train CS3 CS3 arance Posting (m) In Advance (Y/N) No Lane WB Or arance (Y/N) In Advance (Y/N) No Lane WB Or Bail on to open. VC signs required when road is opened to traffic. Semi Semi Semi ting (t) Single Semi Semi Semi Image: Semi Image:</td><td>Image: Semi CS2 49 Train CS3 62 Single CS1 28 CS3 62 CS1 28 Semi CS2 49 Train CS3 62 CS1 28 Semi CS2 49 Train CS3 62 CS1080 Posting Information arance (Y/N) CS1 28 Semi CS2 49 Train CS3 62 CS100 Posting Information arance (Y/N) No Lane WB On Bridge (m) Sadd is not open. VC signs required when road is opened to traffic. ting (t) Semi Semi CS2 (Y/N) No In Advance (Y/N) No Sadd is not open. VC signs required. Semi Colspan= 4 to uncion (Y/N) No In Advance (Y/N) No Image: SB At Junction (Y/N) No In Advance (Y/N) No In Advance (Y/N) No Image: SB At Junction (Y/N) No In Advance (Y/N) No Image: SB At Junction (Y/N) No Image: SB At Junction (Y/N) No Image: SB At Junction (Y/N) No Image: SB At Junction (Y/N) No Image: S</td><td>1 1 Single CS1 28 Semi CS2 49 Train CS3 62 > On Critical arance CL800 > Primar CS3 62 > On Critical arance (Y/N) A Fosting Information > Origina > Origina arance (Y/N) Single Semi On Bridge (m) In Advance (Y/N) No Lane WB On Bridge (m) In Advance arance (Y/N) Single Semi Truck Train Truck Train Truck Train arance string (r) Single Semi Truck Train Truck Train ane SB At Junction (Y/N) No In Advance (Y/N) No At Bridge (Y/N) arance (Y/N) No In Advance (Y/N) No In Advance (Y/N) No At Bridge (Y/N) arequired. Semi Truck Train Truck Train Truck Train Truck Train Bridge (Y/N) No In Advance (Y/N) No In Advance (Y/N) No At Bridge (Y/N) ght standards not grouted. T T T T T y es Ital<!--</td--></td></th></td></td<>	IImage: Semi colspan="4">CS2 49TrainSingleCS2 49TrainCL800Posting Informationarance (Y/N)In Advance (Y/N)NoLaneWBarance (Y/N)In Advance (Y/N)NoLaneWBSemiSemiSemiSingleSemiSemiIn Advance (Y/N)NoIn Advance (Y/N)NBAt Junction (Y/N)NoIn Advance (Y/N)NBAt Junction (Y/N)NoIn Advance (Y/N)In Advance (Y/N)NoIn Advance (Y/N)In Advance (Y/N) <th c<="" td=""><td>1 Image: CS1 28 Semi CS2 49 Train CS3 CS3 arance Posting (m) In Advance (Y/N) No Lane WB Or arance (Y/N) In Advance (Y/N) No Lane WB Or Bail on to open. VC signs required when road is opened to traffic. Semi Semi Semi ting (t) Single Semi Semi Semi Image: Semi Image:</td><td>Image: Semi CS2 49 Train CS3 62 Single CS1 28 CS3 62 CS1 28 Semi CS2 49 Train CS3 62 CS1 28 Semi CS2 49 Train CS3 62 CS1080 Posting Information arance (Y/N) CS1 28 Semi CS2 49 Train CS3 62 CS100 Posting Information arance (Y/N) No Lane WB On Bridge (m) Sadd is not open. VC signs required when road is opened to traffic. ting (t) Semi Semi CS2 (Y/N) No In Advance (Y/N) No Sadd is not open. VC signs required. 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Semi Colspan= 4 to uncion (Y/N) No In Advance (Y/N) No Image: SB At Junction (Y/N) No In Advance (Y/N) No In Advance (Y/N) No Image: SB At Junction (Y/N) No In Advance (Y/N) No Image: SB At Junction (Y/N) No Image: SB At Junction (Y/N) No Image: SB At Junction (Y/N) No Image: SB At Junction (Y/N) No Image: S</td> <td>1 1 Single CS1 28 Semi CS2 49 Train CS3 62 > On Critical arance CL800 > Primar CS3 62 > On Critical arance (Y/N) A Fosting Information > Origina > Origina arance (Y/N) Single Semi On Bridge (m) In Advance (Y/N) No Lane WB On Bridge (m) In Advance arance (Y/N) Single Semi Truck Train Truck Train Truck Train arance string (r) Single Semi Truck Train Truck Train ane SB At Junction (Y/N) No In Advance (Y/N) No At Bridge (Y/N) arance (Y/N) No In Advance (Y/N) No In Advance (Y/N) No At Bridge (Y/N) arequired. Semi Truck Train Truck Train Truck Train Truck Train Bridge (Y/N) No In Advance (Y/N) No In Advance (Y/N) No At Bridge (Y/N) ght standards not grouted. T T T T T y es Ital<!--</td--></td>	1 Image: CS1 28 Semi CS2 49 Train CS3 CS3 arance Posting (m) In Advance (Y/N) No Lane WB Or arance (Y/N) In Advance (Y/N) No Lane WB Or Bail on to open. VC signs required when road is opened to traffic. Semi Semi Semi ting (t) Single Semi Semi Semi Image:	Image: Semi CS2 49 Train CS3 62 Single CS1 28 CS3 62 CS1 28 Semi CS2 49 Train CS3 62 CS1 28 Semi CS2 49 Train CS3 62 CS1080 Posting Information arance (Y/N) CS1 28 Semi CS2 49 Train CS3 62 CS100 Posting Information arance (Y/N) No Lane WB On Bridge (m) Sadd is not open. VC signs required when road is opened to traffic. ting (t) Semi Semi CS2 (Y/N) No In Advance (Y/N) No Sadd is not open. VC signs required. Semi Colspan= 4 to uncion (Y/N) No In Advance (Y/N) No Image: SB At Junction (Y/N) No In Advance (Y/N) No In Advance (Y/N) No Image: SB At Junction (Y/N) No In Advance (Y/N) No Image: SB At Junction (Y/N) No Image: SB At Junction (Y/N) No Image: SB At Junction (Y/N) No Image: SB At Junction (Y/N) No Image: S	1 1 Single CS1 28 Semi CS2 49 Train CS3 62 > On Critical arance CL800 > Primar CS3 62 > On Critical arance (Y/N) A Fosting Information > Origina > Origina arance (Y/N) Single Semi On Bridge (m) In Advance (Y/N) No Lane WB On Bridge (m) In Advance arance (Y/N) Single Semi Truck Train Truck Train Truck Train arance string (r) Single Semi Truck Train Truck Train ane SB At Junction (Y/N) No In Advance (Y/N) No At Bridge (Y/N) arance (Y/N) No In Advance (Y/N) No In Advance (Y/N) No At Bridge (Y/N) arequired. Semi Truck Train Truck Train Truck Train Truck Train Bridge (Y/N) No In Advance (Y/N) No In Advance (Y/N) No At Bridge (Y/N) ght standards not grouted. T T T T T y es Ital </td	

							tructure				
Bridge Com							Explanation of Condition				
	n : WG, 2 Spa	ns, Lengt	ths(n	n): 41.207-60	.808, A	-Ident	Number:)				
Special Feat					1						
Special Featu	ıre					8	MSE Wall. Both abutments.				
(Туре:)					1		Slight waviness.				
Special Feature						X					
(Type :)											
Wearing Surf	ace/Deck Top	Detail Rat	tings								
	N (%)	1 (%)		2 (%)	3 (%)		-				
Last							-				
Now											
Wearing Surf	ace					8					
(Material Ty	/pe : ACP)										
(Thickness	(mm) : 80)										
Deck Top						N					
Deck Rideab	lity					8					
Deck Joints						8	Integral abutments.				
Temperatu	re (deg. C)	4									
(Expansion	Type : GLAN	D (WABO	-MAU	JER, TRANS	FLEX,	ETC))					
(Fixed Type	e:)										
Gap Size (mm) Gap Location											
91	Abutment 1 - gland -			- exp.							
97 Abutment 2 - gland -			- exp.								
Deck Drainag	je					8	No drains.				
Drains Clog	ged (Y/N)	No									
Curbs/Media	า					8	Still working on curbs and fascia. Rubbed finish.				
(Curb Type	: SINGLE SL	OPE CON		TE BARRIEF	R)						
Scaling (Pe		0									
Bridge Rail						X					
(Type :)											
Bridge Rail P	osts					X					
(Type :)											
Bridge Rail/Posts Coating						X					
(Type :)											
Sidewalk						Х					
Girder/Beam											
Cover Plate)					Х					
Flange				9							
Web						9					
Stiffeners						9					
Splice						9					
Weld						N					
Diaphragms/	Cross Frame					9					
Diaphragms/Cross Frame											

Alberta Transportation

			Supers	tructure
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 2 Spans,	Lengths(m): 41.207	-60.808, A		
Paint Condition			9	Weathering steel.
(Colour Description :)			Rust stains lower flange at A2 from fill water. It may stop.	
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings			9	Abutments are integral - no bearings.
Temperature (deg. C)	4			
(Expansion Type : REINFOR TEFLON AND STAINLESS S	CED NEOPRENE BE STEEL)	EARING W	/ITH	
(Fixed Type :)				_
Coating Adequate (Y/N)	Yes			-
Functioning (Y/N)	Yes			
Deck Underside			9	_
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Ratin	ıg		9	
Bridge Component		Last	Now	Explanation of Condition
Abutments			0	Norman strange stands from bottom flore to norm line (only 4 side of
Bearing Seats/Caps			8	Narrow stress cracks from bottom flange to pour line (only 1 side of all 4 girders).
(Type : CONCRETE)			0	
Backwalls/Breastwalls			8	
Wingwalls			8	
Piles			N	
Paint/Coating			8	
Abutment Stability			8	
Scour/Erosion			X	
Piers/Bents				
(Type : PIER-COLUMN)				2 concrete columns.
Bearing Seats/Caps			9	
(Type : CONCRETE)				
(Total Number of Bearing Piles	: 24)			Buried.
Pier Shaft/Piles			9	
Bracing/Struts/Sheathing			Х	
Nose Plate			Х	
Paint/Coating			9	Tan.
(Colour Description :)				
(Colour Code :)				
Pier Stability			9	
Scour			Х	
Debris (Y/N)	No		1	

			Subst	ructure
Bridge Component			Now	Explanation of Condition
Substructure General Rating			8	
		S	tructu	re Usage
		1		Explanation of Condition
Grade Separation				
Road Alignment			7	
Traffic Safety Features			4	
Туре	Lighting			
Slope Protection			5	South abutment galvanized strip water prevention attachments are
(Type : CONCRETE; CONCRE	TE)			stressed from concrete heaving.
Bank Stability			9	
Drainage			7	
Grade Separation General Rating			7	

		Maintenance Recommend	ations					
Inspector Recommendations	Year	Inspector Comments	Department Con	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								
RESET/ PAINT BEARINGS								
REPAINT SUPERSTRUCTURE								
STRAIGHTEN/REPLACE MEMBERS								
WASHING								
SHOTCRETE REPAIRS								
REPAIR ABUTMENT SCOUR/EROSION								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
OTHER ACTION	2012	Complete concrete painting/finishing.						
OTHER ACTION	2012	Clean/remove staining on barrier exterior.						
OTHER ACTION	2012	Grout light standard bases.						
OTHER ACTION	2012	Finish grading of embankments.						
OTHER ACTION	2012	Is sealer required between girders? Improve on sealer detailing.						
OTHER ACTION	2012	Repair flashing where heaved at top of slope protection.						
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/Now) (%)	/94.4	Sufficiency Rating (Last/Now) / (%)	75.5	Est. Repl. Yr	2087	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection	der girder	s at abutments. Monitor seepage onto girders at	Department Comments					
Maintenance Reviewed By			Date		F	stimated Total	0	
Proposed Long-Term Strategy			Date				U	
Toposed Long-Term Strategy								
On 3-Year Program (Y/N)								
Proposed Action								

Previous Inspector's Name		Previous Assistant's Name
Next Inspection Date	16-Jan-2014	Previous Inspection Date
Inspection Cycle (Default) (months)	21	
Comment		