

Bridge Inspection										
Bridge File Number	75816 -1 Bridge					Form Type	PSR			
Year Built/Year Supstr	1976/1976					Lot No.	2			
Bridge or Town Name	PEERS					Inspector Name	Eric Carcoux			
Located Over	CNR					Inspector Class	BR CLS A			
Located On	32:08 C1 7.644					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	14-Oct-2012			
Legal Land Location	SW SEC 15 TWP 54 RGE 14 W5M					Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:59:21, 53:39:46					Data Entry Date	19-Dec-2012			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Stew Hagan			
Contract Main. Area	CMA12					Review Date	12-Dec-2012			
Clear Roadway/Skew	9.8 /					Dept. Reviewer Name	Brent Herrick			
AADT/Year	1,250 / 2011 (A)					Dept. Review Date	21-Dec-2012			
Road Classification	RAU-209-110					Follow-Up By				
Detour Length (km)	60									
Allowable Load (t):	Single	CS1 28			Semi	CS2 49		Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	HS25									----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)					No							
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks	Not posted, not required.											
Required Load Posting (t)					Single		Semi		Truck Train			
Posted Loading (t)					Single		Semi		Truck Train			
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Remarks	Not required.											
Hazard Marker At Bridge (Y/N)					Yes							
Remarks												
Other Sign Types					Information.							

Utilities (Located at)									
Utility Attachments									
Telephone						Gas	200 m north crossing road.		
Power	3 wires East r/w and South. Power crosses road 20 m south.					Municipal			
Others	8 wire CN telegraph under bridge.					Problem (Y/N)	No		
Remarks									

Approach Road									
					Last	Now	Explanation of Condition		
Horizontal Alignment					7	7	No passing. Limited sight distance. Typical GS crest curve.		
Vertical Alignment					6	6			
Roadway Width (m)					10.800		N approach slab heaved 20mm at NBL.		
Approach Bump					6	6			
Guardrail (Y/N)					Yes		Too low, approx 400mm high. Insufficient posts. Not thrie beam transition.		
Guardrail					6	6			
Length (m)					99.000				
Current Standard (Y/N)					No				
Termination Type					Turned Down				
Drainage					N	4	Gap @ NW allowing water through.		
Approach Road General Rating					6	6			

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RD, 3 Spans, Lengths(m): 13.7-19.8-13.7, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now					
Wearing Surface			6	6	2 x 1m section worn off at N end of bridge.
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	(Buffer angles @ ends. 17/Oct/2005) Joints have been covered by chipseal.
Temperature (deg. C)		2			
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
		North abutment			
		South abutment			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			N	4	Average curb height 170mm. .
(Curb Type : Standard)					
Scaling (Percent Area)		2			
Bridge Rail			7	7	Missing 1 transition bolt each @ NE,NW & SE.-photo Dirty.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		7	3		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	1	
Now				2	
Girders			3	3	G7S1 stained from leakage between G7 & 8, 100mm long wide crack with rust stains.Crack @ girder end S1 East curb. Small spall on side. S3G9 100mm dia. spall mid span. Numerous girders have rust spots.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 27)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RD, 3 Spans, Lengths(m): 13.7-19.8-13.7, A-Ident Number:)				
Diaphragms/Cross Frame		X	X	
Bearings		6	6	Fixed at piers.
Temperature (deg. C)	2			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Underside of center span stained from train exhaust.
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		3	3	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		5	5	300x300mm spall at NW & NE drain.
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		5	5	
Piles		N	N	
Paint/Coating		4	4	Heavy graffiti at abutment seats.
Abutment Stability		8	7	
Scour/Erosion		X	X	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		4	4	There are 5 top delam cracks with rust stains (all approx 500 mm long) on caps.
(Type : CONCRETE)				
(Total Number of Bearing Piles : 6:6)				
Pier Shaft/Piles		6	6	Piles have rust at bottom 150mm.
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		5	5	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	7	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		4	4	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		X	X	
Traffic Safety Features		X	X	
Type	None			
Slope Protection		4	4	Cracked @ breastwall/concrete slope protection interface, full length. Heavy graffiti at slope protection.
(Type : CONCRETE; CONCRETE)				
Bank Stability		7	7	
Drainage		7	7	
Grade Separation General Rating		4	4	

Maintenance Recommendations								
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #		
REPAIR/REPLACE BRIDGE RAIL								
GALVANIZE/PAINT BRIDGE RAIL								
SEAL CURBS								
PATCH DECK								
SEAL DECK								
OVERLAY DECK								
REPAIR/REPLACE DECK JOINTS								
RESET/ PAINT BEARINGS								
WASHING								
SHOTCRETE REPAIRS								
REPAIR ABUTMENT SCOUR/EROSION								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
OTHER ACTION	2013	Partial depth repairs on caps.						
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Structural Condition Rating (Last/Now) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	42.0/41.9	Est. Repl. Yr	2028	Maint. Req. (Y/N)	Yes	
Special Comments for Next Inspection	Monitor girder cracking.			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	Kris Bosters			Previous Assistant's Name				

Next Inspection Date	14-Jul-2014	Previous Inspection Date	14-Dec-2010
Inspection Cycle (Default) (months)	21		
Comment			