

Bridge Inspection									
Bridge File Number	70341 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1992/1992				Lot No.	2			
Bridge or Town Name	PEERS				Inspector Name	Eric Carcoux			
Located Over	JANUARY CREEK, 8.11.107.22, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	32:08 C1 1.321				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	14-Oct-2012			
Legal Land Location	NW SEC 26 TWP 53 RGE 14 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:58:01, 53:36:40				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	9.2 /				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)	23								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750						----> Primary Span		
Posting Information									
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	Too low all corners.								
Other Sign Types	Curve Ahead, NBL; "January Creek"								
Utilities (Located at)									
Utility Attachments									
Telephone	East & West r/w.				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Intersection with Hwy 16 South. No passing due to curve to the North. Sharp horizontal curve North.				
Vertical Alignment			8	8					
Roadway Width (m)	8.800				Insufficient posts. Missing 17 splice bolts. Too low all corners. 2 section on NW rail and 1 section on 1NE rail leaning and dented. Not thrie beam.				
Approach Bump			6	6					
Guardrail (Y/N)	Yes								
Guardrail			4	4					
Length (m)	30.400								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			5	5					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 3 Spans, Lengths(m): 8.5-8.5-8.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Typ. slight wear along lateral connections.
Last	0	0	0	0	
Now					
Wearing Surface			4	4	17- Failed grout @ connector pockets.-photo
(Material Type : CONVENTIONAL CHIP SEAL COAT;)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			5	5	Torn buffer angle in W. curb @ P1.
Bump (Y/N)		No			
Deck Drainage			5	5	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			4	4	Accident damage to top transition rail torn SE; 50mm long crack at splice NW.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			5	5	
(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)	Corrosion stains from 25% of connector pockets visible on deck underside.
Last	0	0	0	0	
Now					
Girders			4	4	50% of girder have narrow longitudinal cracks down c/l. S2 girder top in NB local spall patched but cracking around patch. 17- Failed grout in connector pockets. 4 - Failed grout in lifting pockets.
Last Complete Inspection Date		14-Oct-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 27)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	4	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1350)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now					
Bearing Seats/Caps/Corbels				5	5
(Type : STEEL)					
(Depth(mm) : 310)					
(Width(mm) : 310)					
Backwalls/Breastwalls				5	5
Greatest Height (m)		1.80			
Wingwalls				5	5
(Total Number of Bearing Piles : 8:8)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now					
Piles				5	5
Paint/Coating				4	4
Scaling & pitting rust. Heavy corrosion on caps & capitals.					
Abutment Stability				7	7
Scour/Erosion				4	4
300x150mm Erosion gullies on N. headslope. Headslope erosion.					
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now					
Bearing Seats/Caps/Corbels				6	5
(Type : STEEL)					
(Depth(mm) : 310)					
(Width(mm) : 310)					
(Total Number of Bearing Piles : 10:10)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now					
Pier Shaft/Piles				5	5
Greatest Height (m)		4.20			
Bracing/Struts/Sheathing				5	5
Sway bracing & struts. 7 TT strut/spans 1 & 3. Missing 3 TT struts for centre span/S2.					
Nose Plate				X	X
Paint/Coating				4	4
Scaling & pitting rust on caps & capitals.					
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		6	6	
Scour		6	6	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		5	5	
Bank Stability		5	5	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			Beaver dams located 10M & 300M U/S from bridge.
Slope Protection		4	4	1.0m high vertical banks U/S & D/S. Sloughing bank @ SW.
(Type : NONE; NONE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Replace damaged top transition rail @ SE.-carried from Dept Inspection.					
SEAL CURBS							
PATCH DECK	2013	Repair/patch/grout & seal 4- lifting & 17-connector pockets.					
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2013	Removal both beaver dams located 10M & 300M U/S from bridge.-carried from Dept Inspection.					
INSTALL STRUTS	2013	Replace missing 3 TT struts on center span/S2.-carried from Dept Inspection.					
OTHER ACTION	2013	Repair/replace dented and leaning approach rail @ NW & NE.					
OTHER ACTION	2013	Reset approach rail at all corners to correct height.					
OTHER ACTION	2013	Reset HZ markers @ all 4 corners to correct height.					
OTHER ACTION	2013	Replace 17 missing splice bolts in approach rail.					
OTHER ACTION	2013	Consider placement of 5 m3 of granular material to repair gullies in N. headslope,-carried from Dept Inspection.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	51.5/51.5	Est. Repl. Yr	2030	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			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	Bryan Wai	Previous Assistant's Name	Brent Herrick
Next Inspection Date	14-Jul-2014	Previous Inspection Date	05-Oct-2012
Inspection Cycle (Default) (months)	21		
Comment			