

Bridge Inspection									
Bridge File Number	70495 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1980/1980				Lot No.	3			
Bridge or Town Name	RADWAY				Inspector Name	Eric Carcoux			
Located Over	KENNEDY CREEK, 6.57.3, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	63:00 C1 8.180				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	13-Jan-2012			
Legal Land Location	SW SEC 24 TWP 59 RGE 21 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:01:33, 54:06:36				Data Entry Date	17-Jan-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA07				Review Date	16-Jan-2012			
Clear Roadway/Skew	13.7 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	1,990 / 2010 (A)				Dept. Review Date	18-Jan-2012			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS23						----> 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)	No								
Remarks	Not required.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)				
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		9	8	Wide cracks in ACP and potholes on both abutments.					
Vertical Alignment		9	9						
Roadway Width (m)	11.000								
Approach Bump			4	5	SW approach rail improper lap. Insufficient post / spacing. Missing bolt SE corner. 15m @ NE & SW corners. 36m @ NW & SE corners.				
Guardrail (Y/N)	Yes								
Guardrail			4	4					
Length (m)	15.200								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>9</b>	<b>8</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SM, 1 Spans, Lengths(m): 11, A-Ident Number: </b> )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>					
Wearing Surface			4	4	Chipcoat on 50mm ACP. Patched. Longitudinal cracks on ACP and corrosion stains on girders.
(Material Type : <b>ACP - CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			X	X	
Deck Rideability			6	6	
Deck Joints			N	N	Covered with ACP.
Bump (Y/N)		Yes			
Deck Drainage			4	4	No deck drains. Sediments building up at curbs due to poor drainage on deck.
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Chipped on end of NW curb, minor. Hairline vertical cracking of finish on both sides.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		1			
Bridge Rail			6	6	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			6	6	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	1	
<b>Now</b>	0	0	0	1	
Girders			3	3	Hairline diagonal cracking @ end of most girders. Longitudinal hairline crack in center of outside face of both curb girders.-photo Leakage and staining between all girders at connector pockets.  Isolated small rust spots at bottom side of all girders. Spalled concrete on G8 near centreline with exposed rebar.-photo  West curb lift pockets not grouted.
Last Complete Inspection Date		28-Apr-2008			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : <b>12</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>3</b>	<b>3</b>	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1500)						
(Total Number of Caps/Corbels : 2:2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				7	7	
(Type : STEEL)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		2.40				
Wingwalls				6	6	
(Total Number of Bearing Piles : 14:14)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Piles				6	6	Capitals on all piles
Paint/Coating				8	8	
Abutment Stability				8	8	
Scour/Erosion				8	8	
<b>Piers/Bents</b>						
(Type : )						
(Total Number of Caps/Corbels : )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				X	X	
(Type : )						
(Depth(mm) : )						
(Width(mm) : )						
(Total Number of Bearing Piles : )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description : )						
(Colour Code : )						
Pier Stability				X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>6</b>	<b>6</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>6</b>	<b>6</b>	

