

Bridge Inspection									
Bridge File Number	09899 E-2 Bridge				Form Type	PSR			
Year Built/Year Supstr	2006/2006				Lot No.	2			
Bridge or Town Name					Inspector Name	Kris Bosters			
Located Over	PADDLE RIVER, 8.11.84.30, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	43:18 R1 9.191				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	03-Oct-2011			
Legal Land Location	SW SEC 8 TWP 57 RGE 7 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:01:05, 53:54:24				Data Entry Date	25-Oct-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA12				Review Date	22-Oct-2011			
Clear Roadway/Skew	12.4 / 0 deg.				Dept. Reviewer Name	Brent Herrick			
AADT/Year	6,630 / 2010 (A)				Dept. Review Date	26-Oct-2011			
Road Classification	RAD-412.4-120				Follow-Up By				
Detour Length (km)	1								
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	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	EB	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	Bump @ W end								

Utilities (Located at)									
Utility Attachments									
Telephone	S & N r/w				Gas	xing 100m W			
Power	3 wire N r/w				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Local road access at East end of bridge. 1n Sag curve.				
Vertical Alignment			7	7					
Roadway Width (m)	12.800				Wide cracks in ACP along approaches. Sw approach is 200mm lower than abutment creating bump.-photo				
Approach Bump			7	4					
Guardrail (Y/N)	Yes								
Guardrail			8	8					
Length (m)	89.000								
Current Standard (Y/N)	Yes								
Termination Type	Turn Down								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : NU, 3 Spans, Lengths(m): 20.8-28-20.8, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	40	0	0	0		
Now						
Wearing Surface			7	5	Transverse and random cracking. photo	
(Material Type : MIX TYPE 1 ACP)						
(Thickness(mm) : 90)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			9	4	S lane rides rough due to approach bumps.	
Deck Joints			X	X	No formal deck joints. Integral abutments.	
Temperature (deg. C)		10				
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage			8	8		
Drains Clogged (Y/N)		No				
Curbs/Median			N	8		
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			9	9		
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			9	9		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			9	9		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Girders			4	4	All girders have horiz. hairline cracks at girder ends in Web. Longest is 0.97m long at abutment end of SP3 G3. Crack at S1G1 A1 repaired with epoxy.	
Cracking (Y/N)		Yes				
Spalling (Percent Area)						
(Number Of Girders : 12)						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 3 Spans, Lengths(m): 20.8-28-20.8, A-Ident Number:)				
Diaphragms/Cross Frame		9	9	
Bearings		9	9	
Temperature (deg. C)	10			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		9	9	
Stains (Percent Area)	0			
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				
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	Hairline cks in bacwall extending from girder ends.
Wingwalls		9	9	
Piles		N	N	
Paint/Coating		9	7	
Abutment Stability		9	9	
Scour/Erosion		9	9	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 6:6)				
Pier Shaft/Piles		9	9	
Bracing/Struts/Sheathing		9	9	
Nose Plate		X	X	
Paint/Coating		9	9	
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	9	
Scour		9	9	
Debris (Y/N)	No			
Substructure General Rating		9	9	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Curb)				Not visible.
Drift (Y/N)	No			
Slope Protection		9	9	Class 1
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

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	2011	Seal cracks in deck and approach ACP					
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	2011	Patch W approach to remove bump					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	66.7/65.6	Est. Repl. Yr	2080	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	Arnold Assenheimer		Previous Assistant's Name	Shane Hall			
Next Inspection Date	03-Jul-2013		Previous Inspection Date	15-Dec-2009			
Inspection Cycle (Default) (months)	21						
Comment							