

Bridge Inspection									
Bridge File Number	72123 W-2 Bridge				Form Type	PCS			
Year Built/Year Supstr	2008/2008				Lot No.	4			
Bridge or Town Name	EDSON				Inspector Name	Shane Hall			
Located Over	BENCH CREEK, 8.11.107.25.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	16:06 L1 9.416				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	11-Aug-2012			
Legal Land Location	NE SEC 16 TWP 53 RGE 17 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-116:26:34, 53:34:49				Data Entry Date	04-Sep-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA13				Review Date	27-Aug-2012			
Clear Roadway/Skew	14.6 / 0 deg.				Dept. Reviewer Name	Brent Herrick			
AADT/Year	8,800 / 2011 (A)				Dept. Review Date	18-Sep-2012			
Road Classification	RAD-412.4-120				Follow-Up By				
Detour Length (km)	1								
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:							----> 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)		In Advance (Y/N)		At Bridge (Y/N)		
Remarks	Not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types	Information, 50 km/hr. BRIDGE PLAQUE ON NE CORNER.								

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	South side of bridge.				Municipal				
Others	Street lighting both sides.				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Typical town intersections.				
Vertical Alignment			8	8					
Roadway Width (m)	14.500								
Approach Bump			9	9					
Guardrail (Y/N)	No				Not required, urban standard.				
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type	None								
Drainage			7	7	Catch basins on East side.				
Approach Road General Rating			8	8					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 1 Spans, Lengths(m): 10.4, 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			9	9	No cracks in ACP, installed in 2009.
(Material Type : ACP)					
(Thickness(mm) : 80)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			9	9	
Deck Joints			X	X	Buffer angle may be present but covered by ACP, can't confirm.
Bump (Y/N)		No			
Deck Drainage			7	7	No deck drains.-not required.
Drains Clogged (Y/N)					
Curbs/Median			8	6	New curbs and sidewalk 2009. Vertical cracks every 0.5m.
(Curb Type : STRAIGHT WALL)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Concrete parapet with HSS galvanized steel rail on top. Missing cap screw on one side of post @ 4 locations - photo. Miss aligned spacer block on SE rail.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	8	
(Type : GALVANIZED)					
Sidewalk			8	8	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			9	9	
Last Complete Inspection Date		11-Aug-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 16)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			9	9	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				9	9	
(Type : CONCRETE)						
(Depth(mm) : 1000)						
(Width(mm) : 700)						
Backwalls/Breastwalls				9	9	
Greatest Height (m)		3.00				
Wingwalls				9	9	
(Total Number of Bearing Piles : 13:13)				Cast into backwall.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	26	0	0	0		
Now	26	0	0	0		
Piles				N	N	
Paint/Coating				9	9	
Abutment Stability				9	9	
Scour/Erosion				8	8	
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
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)		
Last						
Now						
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			
Substructure General Rating		9	9	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Riprap across channel at inlet is too high, create barrier to fish passage during low flows.
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		8	8	
(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	2013	Install missing cap screw on 4 posts.					
SEAL CURBS							
PATCH DECK							
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							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	100.0/100.0	Sufficiency Rating (Last/Now) (%)	64.3/77.8	Est. Repl. Yr	2060	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	Todd Warshawski		Previous Assistant's Name				
Next Inspection Date	11-May-2014		Previous Inspection Date	27-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							