

Bridge Inspection									
Bridge File Number	76021 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1987/1987				Lot No.	2			
Bridge or Town Name	ELK POINT				Inspector Name	Wade Nanninga			
Located Over	TRIBUTARY TO ATIMOSWE CREEK, 6.14.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	41:22 C1 26.883				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	10-Apr-2012			
Legal Land Location	SW SEC 6 TWP 57 RGE 6 W4M				Data Entry By	Lisa Fairhurst			
Longitude, Latitude	-110:53:47, 53:53:43				Data Entry Date	24-Apr-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA08				Review Date	17-Apr-2012			
Clear Roadway/Skew	14.9 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	3,200 / 2011 (A)				Dept. Review Date	04-May-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:	MS225						----> 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	Attached to end posts.								
Other Sign Types	Information, Max 50.								

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	4 wires OH 15m East of c/l.				Municipal	Street lights on both shoulders.			
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Within Town of Elk Point. Speed limit posted for 50 km/hr. Intersection with Railway Ave 18m north. In urban setting. R.R. across roadway to the South has been removed.				
Vertical Alignment			9	8					
Roadway Width (m)		14.900							
Approach Bump			6	6					
Guardrail (Y/N)		No							
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)		No							
Termination Type									
Drainage			8	8					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 6, 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	0.0	0.0	0.0	0.0	
Wearing Surface			7	5	Random wide cracks
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	ACP over.
Bump (Y/N)		No			
Deck Drainage			8	8	No deck drains.
Drains Clogged (Y/N)					
Curbs/Median			4	4	Plow scrapes. Spall @ NE corner.-
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			8	3	Loose bolts @ 4 corners. Accident damage to SE corner
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			4	4	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	7	2 nuts loose on center post on west side - photo.
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			4	4	G13 has narrow horizontal. ck running full length of girder on outside face.-photo G1 hairline ck 0.6m long on outside face.
Last Complete Inspection Date		10-Apr-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 13)					
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) : 1200)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				5	5	Caps & capitals uncoated & have rusting, flaking. Estimate 5-10% section loss
(Type : STEEL)						
(Depth(mm) : 310)						
(Width(mm) : 310)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		2.50				
Wingwalls				4	4	Two planks loose at SW & 1 broken at NW. Broken cleat
(Total Number of Bearing Piles : 16:16)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Piles				7	6	WIDE CHECKS IN 10%
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				7	6	
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	7	Backwall scabs attached to capitals

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				Not visible.
Drift (Y/N)	No			
Slope Protection		7	6	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Tighten loose anchor bolt nuts, rail bolts, replace damaged sections of tubing at SE approach rail					
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	2012	Replace SW WW cleat @ attach loose planks					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	60.1/58.7	Est. Repl. Yr	2027	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Review if approach guardrail is reqd. Install if necessary Monitor corrosion of caps/capitals 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	Shane Hall		Previous Assistant's Name				
Next Inspection Date	10-Jan-2014		Previous Inspection Date	15-Jul-2010			
Inspection Cycle (Default) (months)	21						
Comment							