

Bridge Inspection							
Bridge File Number	76316 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1967/1967			Lot No.	2		
Bridge or Town Name	ELK POINT			Inspector Name	Todd Warshawski		
Located Over	2ND ORDER TRIBUTARY TO ATIMOSWE CREEK, 6.14.1.1, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	646:04 C1 0.263			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	20-Feb-2013		
Legal Land Location	SW SEC 6 TWP 57 RGE 6 W4M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-110:53:32, 53:53:23			Data Entry Date	19-Mar-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA08			Review Date	17-Mar-2013		
Clear Roadway/Skew	10.1 / 0 deg.			Dept. Reviewer Name	Brent Herrick		
AADT/Year	1,320 / 2011 (A)			Dept. Review Date	20-Mar-2013		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	3						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 65 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> Primary Span

Posting Information							
Required Load Posting (t)	Single				Semi		Truck Train
Posted Loading (t)	Single				Semi		Truck Train
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N) No
Posted:	Lane	WB	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	Set to low.						
Other Sign Types	File tag not found. Hwy and intersection data.						

Utilities (Located at)			
Utility Attachments			
Telephone	In south ditch & North r/w.		Gas
Power	3 wires O/H North boundary r/w.		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Intersection with Hwy 41 300 m west.
Vertical Alignment		9	9	
Roadway Width (m)	10.000			Minor strike damage at NE, still functional. Not Fleat
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		7	6	
Length (m)	11.600			
Current Standard (Y/N)	No			
Termination Type	Turned Down			
Drainage		N	N	Snow covered
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 6.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	20				
Now	20.0				
Wearing Surface			5	5	Wide transverse cracks along abutment joints.-photo
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	(Buffer angles.) Not visible, under ACP.
Bump (Y/N)		No			
Deck Drainage			N	N	snow covered
Drains Clogged (Y/N)		No			
Curbs/Median			N	N	snow covered
(Curb Type : Standard)					
Scaling (Percent Area)					
Bridge Rail			7	7	Single layer. Some minor dents in flexbeam.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(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)	
Last				1	
Now				1	
Girders			3	3	Spall in AZ South curb girder with 30% section loss in rebar(photo). Spalls/WLC on 9 of 12 girders. G2 spalls in AZ 1 leg. G5 WLC in AZ 2 legs. Drift pin spalls on several girders.
Last Complete Inspection Date		20-Feb-2013			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 12)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	3	

Substructure								
Bridge Component		Last	Now	Explanation of Condition				
Abutments								
(Extended Backwall Piles (Y/N) : N)				Bridge widened onto extension piles.				
(Extended Backwall Piles Spacing(mm) :)								
(Total Number of Caps/Corbels : 1:1)				Significant flaking rust.				
Bearing Seats/Caps/Corbels Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
Last								
Now								
Bearing Seats/Caps/Corbels			5				5	
(Type : STEEL)								
(Depth(mm) : 353)								
(Width(mm) : 374)								
Backwalls/Breastwalls			4				4	Vertical sheeting separating minor loss of fill @ W abutment.-photo
Greatest Height (m)		2.20						
Wingwalls			4	4	All wingwalls separating at backwall interface.(photo)			
(Total Number of Bearing Piles : 9:9)				All with steel capitals.				
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
Last								
Now								
Piles			6				6	
Paint/Coating			X				X	
Abutment Stability			6				5	
Scour/Erosion			6				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				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		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		9	9	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
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							
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	2013	Reset hazard markers to standard.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	62.3/62.3	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girders and wingwall separation and abutment stability.		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	Kris Bosters		Previous Assistant's Name	Brian Cote			
Next Inspection Date	20-May-2016		Previous Inspection Date	10-Dec-2012			
Inspection Cycle (Default) (months)	39						
Comment							