

Bridge Inspection									
Bridge File Number	01308 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1969/1969				Lot No.	1			
Bridge or Town Name	PEKISKO				Inspector Name	Jon Davies			
Located Over	STIMSON CREEK, 2.13.27.11, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	540:02 C1 4.817				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	08-Mar-2013			
Legal Land Location	SE SEC 14 TWP 17 RGE 2 W5M				Data Entry By	Lauren Korte			
Longitude, Latitude	-114:09:54, 50:25:48				Data Entry Date	01-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA27				Review Date	17-Mar-2013			
Clear Roadway/Skew	8.2 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	150 / 2011 (A)				Dept. Review Date	08-Apr-2013			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	11								
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 75 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)		In Advance (Y/N)		At Bridge (Y/N)		
Posted:	Lane	WB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)		
Remarks	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Narrow Bridge warning signs in both directions.								
Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	North ROW.				Gas				
Power	Crossing 150m West.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Curve West end-farm entrance 50m East.				
Vertical Alignment			5	5	Hill to East 150m poor sight distance.				
Roadway Width (m)	9.300				Not thrie beam.				
Approach Bump			5	5					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	56.300								
Current Standard (Y/N)	Yes								
Termination Type	TURNED DOWN								
Drainage			7	7					
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 3 Spans, Lengths(m): 8.5-8.5-8.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	10.0	
Wearing Surface			6	3	ACP has been patched at lateral connector pockets. All Sp1 and 2 patches are raveling up to 350 X 700 X 70mm deep.
(Material Type : ACP)					
(Thickness(mm) : 70)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	4	Rough surface.
Deck Joints			N	N	ACP Covered. Moderate bump at East.
Bump (Y/N)		Yes			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			4	4	Several chips and minor spalls.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			7	7	Double layer. 3 A/B nuts just flush and missing 4 washers.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			5	5	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			6	5	
(Type : PAINT)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	7	
Now	10	0	0	7	
Girders			3	3	1 Girder with Narrow Shear Cracks Sp.1-G6,G9 and (Sp.2-G4,G7,G8,G9) 07-Oct-2009 all with wide cracks or spalls in AZ of both legs. SP2 North curb Lift pocket not filled properly. SP2 not accessible due to thin ice. ACP patches at connector pockets.
Last Complete Inspection Date		07-Oct-2009			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 30)					
Span Alignment Problems					
Vertical (Y/N)		Yes		Vertical alignment problem as seen in North curb sight line. Road grade does not match bridge grade Both pier leaning to W approx. 70mm.	
Horizontal (Y/N)		No			
Superstructure General Rating			3	3	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)				No extended pile @ SW	
(Extended Backwall Piles Spacing(mm) : 1100)					
(Total Number of Caps/Corbels : 3:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				6	5
(Type : TREATED TIMBER)					
(Depth(mm) : 305)					
(Width(mm) : 356)					
Backwalls/Breastwalls				5	5
Greatest Height (m)		2.00			
Wingwalls				4	4
(Total Number of Bearing Piles : 8:7)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles				5	5
Paint/Coating				X	X
Abutment Stability				7	6
Scour/Erosion				6	5
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 3:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				4	4
(Type : TREATED TIMBER)					
(Depth(mm) : 305)					
(Width(mm) : 355)					
(Total Number of Bearing Piles : 9:8)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	1	
Now	0	0	0	1	
Pier Shaft/Piles				3	3
Greatest Height (m)		7.00			
Bracing/Struts/Sheathing				5	5
Nose Plate				X	X

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		3	3	Poor due to span alignment and suspected rot at Pier 2.
Scour		5	N	P.R 5.
Debris (Y/N)	Yes			Old piles in channel.
Substructure General Rating		3	3	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				90 bend in street at upstream and downstream ends - approx 100m.
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		5	5	Cut banks U/S and D/S.
HWM (m below Top of Curb)				(95 FLOOD) 990405 No HWM visible.
Drift (Y/N)	No			
Slope Protection		5	5	0.9m vertical bank @ East headslope.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	5	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

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	2013	East pier piles and caps (postpone if replaced in 2013).					
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Top up lift pockets and inspect lateral connections when repairing ACP wearing surface. 30m x 8.5 x 50mm deep.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	33.3/33.3	Sufficiency Rating (Last/Now) (%)	58.0/58.0	Est. Repl. Yr	2015	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Bridge is scheduled for replacement in 2013 (postponed from 2012). G.Roberts 17-March-2013		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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	08-Jun-2016		Previous Inspection Date	07-Oct-2009			
Inspection Cycle (Default) (months)	39						
Comment							