

Bridge Inspection											
Bridge File Number	78891 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1978/1978				Lot No.	3					
Bridge or Town Name	KITSCOTY				Inspector Name	Jason Saly					
Located Over	2ND ORDER TRIBUTARY TO BATTLE RIVER, 5.3.1, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	897:02 C1 35.106				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	29-Nov-2012					
Legal Land Location	SW SEC 24 TWP 48 RGE 3 W4M				Data Entry By	Marcia Chavez					
Longitude, Latitude	-110:19:17, 53:08:58				Data Entry Date	15-Jan-2013					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien					
Contract Main. Area	CMA15				Review Date	14-Dec-2012					
Clear Roadway/Skew	11.3 / 0 deg.				Dept. Reviewer Name	Andrew Smikles					
AADT/Year	450 / 2011 (A)				Dept. Review Date	17-Jan-2013					
Road Classification	RCU-209-110				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:	HS25									----> 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	Missing SE, offset 0.3m from rail post.								
Other Sign Types	Curve ahead in both directions.								

Utilities (Located at)										
Utility Attachments										
Telephone	West r/w.				Gas					
Power					Municipal					
Others	Fibre optics East r/w.				Problem (Y/N)	No				
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Located on very short tangent between two long curves in highway. Passing allowed.					
Vertical Alignment		7	7						
Roadway Width (m)	9.700								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	60.000								
Current Standard (Y/N)	Yes								
Termination Type	Turn Down								
Drainage			8	7	Catches snow off lake to West in winter.				
Approach Road General Rating				7	7				

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 1 Spans, Lengths(m): 7.6, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow @ curbs.
Last	30				
Now	30.0	0.0	0.0	0.0	
Wearing Surface			7	7	Cracked at girder ends.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Superelevated.
Deck Rideability			8	7	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			6	N	No drain holes on bridge deck. Snow/ice.
Drains Clogged (Y/N)					
Curbs/Median			N	N	Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Plates & hardware are snow covered.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	N	
(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					
Now	0	0	0	0	
Girders			6	6	Longitudinal hairline crack along G1 void. Connector pocket staining.
Last Complete Inspection Date		29-Nov-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 10)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			6	6	

Substructure							
Bridge Component		Last	Now	Explanation of Condition			
Abutments							
(Extended Backwall Piles (Y/N) : Y)							
(Extended Backwall Piles Spacing(mm) : 1600)							
(Total Number of Caps/Corbels : 3:3)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Bearing Seats/Caps/Corbels				6	6	Cap partially seated on 3rd pile from E at A1.	
(Type : TREATED TIMBER)							
(Depth(mm) : 305)							
(Width(mm) : 355)							
Backwalls/Breastwalls				6	6	Backwall scabs & clamps. Oversize piles notched for clamp rods.	
Greatest Height (m)		2.40					
Wingwalls				7	7		
(Total Number of Bearing Piles : 11:11)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Piles				5	5	A1P9; A2P3,5,9,11 banded. A1P2; A2P1,2 steel stub repair. A1P4 has wide crack.	
Paint/Coating				X	X		
Abutment Stability				7	7		
Scour/Erosion				7	7		
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 :)							

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			Fenced across East extended backwall piles.
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Also used for cattle underpass. Fenced accordingly at East extended backwall piles.
(D/S Direction : E)				
Alignment		7	7	
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		8	8	
(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	Install hazard markers on bridgerail posts to standard.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	69.3/69.2	Est. Repl. Yr	2033	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	Owen Salava	Previous Assistant's Name					
Next Inspection Date	29-Feb-2016	Previous Inspection Date	26-Jan-2010				
Inspection Cycle (Default) (months)	39						
Comment							