

Bridge Inspection									
Bridge File Number	78892 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1978/1978				Lot No.	1			
Bridge or Town Name	KITSCOTY				Inspector Name	Owen Salava			
Located Over	2ND ORDER TRIBUTARY TO BATTLE RIVER, 5.3.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	619:06 C1 38.001				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	07-Nov-2012			
Legal Land Location	SW SEC 25 TWP 48 RGE 3 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-110:18:53, 53:09:42				Data Entry Date	21-Nov-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA15				Review Date	15-Nov-2012			
Clear Roadway/Skew	10.1 / 0 deg.				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	690 / 2011 (A)				Dept. Review Date	26-Nov-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	6								
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	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	Missing S HM, N mounted off bridge.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	Along South ditch.				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			7	7	Intersection 897, 200m West. Grade to the East, limited sight distance. No passing.				
Vertical Alignment			7	7					
Roadway Width (m)	9.800				Not thrie beam.				
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	30.400								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>VS, 1 Spans, Lengths(m): 7.6, A-Ident Number: </b> )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow
<b>Last</b>	15				
<b>Now</b>	60.0	0.0	0.0	0.0	
Wearing Surface			7	7	
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>100</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	ACP covered.
Deck Rideability			7	7	
Deck Joints			N	N	Buffer angles. Asphalt covered.
Bump (Y/N)		No			
Deck Drainage			7	7	No drains.
Drains Clogged (Y/N)		No			
Curbs/Median			N	5	Curb height as little as 200mm high. Exterior finish on curb fascia peeling off over 80% of area.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			5	5	North end top rail creased slightly but still effective.  SW post cracked at base - photo.
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			3	3	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	0	0	0	0	
Girders			4	5	Both curb units have underside diagonal cracks at corners < 0.5m long, no staining both ends of both curbs - photos. Typical longit. crack along void.
Last Complete Inspection Date		07-Nov-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>9</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>4</b>	<b>5</b>	

Substructure							
Bridge Component				Last	Now	Explanation of Condition	
<b>Abutments</b>							
(Extended Backwall Piles (Y/N) : Y)							
(Extended Backwall Piles Spacing(mm) : 1500)							
(Total Number of Caps/Corbels : 3:3)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		Subcaps at c/l. Some clamps modified to wrap around large diameter piles.	
<b>Last</b>							
<b>Now</b>	0	0	0	0			
Bearing Seats/Caps/Corbels				6	6		
(Type : TREATED TIMBER)							
(Depth(mm) : 305)							
(Width(mm) : 355)							
Backwalls/Breastwalls				7	7		
Greatest Height (m)		2.10					
Wingwalls				7	7		
(Total Number of Bearing Piles : 10:10)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		Piles tied to backwalls with clamps & scabs, +2 at 1 bm.	
<b>Last</b>							
<b>Now</b>	0	0	0	0			
Piles				6	6		
Paint/Coating				X	X		
Abutment Stability				7	7		
Scour/Erosion				7	7		
<b>Piers/Bents</b>							
(Type : )							
(Total Number of Caps/Corbels : )							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		Max deck to S/B 2.2m.	
<b>Last</b>							
<b>Now</b>							
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)			
<b>Last</b>							
<b>Now</b>							
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			
<b>Substructure General Rating</b>		<b>6</b>	<b>6</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				Channel curves to South 30m U/S.
(D/S Direction : <b>S</b> )				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>6</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Replace SW 700mm tube rail post.					
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/install HMs.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>64.2/65.1</b>	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	07-Feb-2016		Previous Inspection Date	27-Jan-2010			
Inspection Cycle (Default) (months)	39						
Comment							