

Bridge Inspection									
Bridge File Number	08745 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1996/1996				Lot No.	2			
Bridge or Town Name	WINTERBURN				Inspector Name	Kris Bosters			
Located Over	ATIM CREEK, 6.65.8, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	44:00 C1 3.307				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	06-Jul-2011			
Legal Land Location	NE SEC 19 TWP 53 RGE 26 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:48:51, 53:35:50				Data Entry Date	13-Jul-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA11				Review Date	11-Jul-2011			
Clear Roadway/Skew	11.9 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	7,380 / 2010 (A)				Dept. Review Date	18-Jul-2011			
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:	CS750						----> 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									
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Installed too high (110mm). Not in line with bridgerail. SW missing, NE and NW knocked over.								
Other Sign Types	80 kph Ahead, Curve Ahead. Atim Creek								

Utilities (Located at)									
Utility Attachments									
Telephone	W r/w				Gas				
Power	E r/w 5 wire				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		6	6	Curve both directions. Uphill grade to North, Meadowview Road intersection 200m North.					
Vertical Alignment		6	6						
Roadway Width (m)	11.600			ACP is breaking apart along N abutment 100mm-25mm wide over width of bridge.-photo					
Approach Bump		4	4	4 posts and S sections rail damaged NW.-photo Insufficient posts, use recycled plastic posts. Not thrie beam type.					
Guardrail (Y/N)	Yes								
Guardrail		3	3						
Length (m)	60.000								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage		7	7						
Approach Road General Rating		6	6						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SCC, 3 Spans, Lengths(m): 12-12-12, 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						
Wearing Surface			5	5	1 - 200 x 200 delam in chipseal NB.	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)	No					
Deck Top			X	X		
Deck Rideability			7	7		
Deck Joints			N	N	Buffer angles. Paved over.	
Bump (Y/N)	Yes					
Deck Drainage			7	7		
Drains Clogged (Y/N)	No					
Curbs/Median			7	7	Narrow vertical crack on exterior fascia below bridgerail post - typical. 30% of curb top scaled.	
(Curb Type : Standard)						
Scaling (Percent Area)	3					
Bridge Rail			7	7		
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			6	6		
(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						
Girders			5	5	150x150 spall on outside face of SP1 G1 over. Centre span difficult to view due to water. Hairline longitudinal cracks most girders SP3. Discolouration and rust spots around drain holes.	
Last Complete Inspection Date	06-Jul-2011					
Cracking (Y/N)	Yes					
Spalling (Percent Area)	0					
Lift or Connector Pocket Grouted (Y/N)						
(Number Of Girders : 33)						
Span Alignment Problems						
Vertical (Y/N)	No					
Horizontal (Y/N)	No					
Superstructure General Rating			5	5		

Substructure								
Bridge Component				Last	Now	Explanation of Condition		
Abutments								
(Extended Backwall Piles (Y/N) : N)				Shrinkage cracks. Map cracks.				
(Extended Backwall Piles Spacing(mm) :)								
(Total Number of Caps/Corbels : 1:1)								
Bearing Seats/Caps/Corbels Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
Last								
Now								
Bearing Seats/Caps/Corbels							7	7
(Type : CONCRETE)								
(Depth(mm) :)								
(Width(mm) :)								
Backwalls/Breastwalls				X	X			
Greatest Height (m)		1.60						
Wingwalls				7	7			
(Total Number of Bearing Piles : 0:0)								
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)	3 (count)				
Last	1							
Now	1							
Piles				N	N			
Paint/Coating				8	8			
Abutment Stability				8	5	Headslopes have settled 200mm each abut. and have 50mm cracks.		
Scour/Erosion				8	8			
Piers/Bents								
(Type : PIER-COLUMN)								
(Total Number of Caps/Corbels : 1:1)								
Bearing Seats/Caps/Corbels Detail Ratings								
	N (count)	1 (count)	2 (count)	3 (count)				
Last								
Now								
Bearing Seats/Caps/Corbels				6	6			
(Type : CONCRETE)								
(Depth(mm) :)								
(Width(mm) :)								
(Total Number of Bearing Piles : 6:6)								
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)	3 (count)				
Last								
Now								
Pier Shaft/Piles				8	8			
Greatest Height (m)		4.00						
Bracing/Struts/Sheathing				8	8			
Nose Plate				X	X			
Paint/Coating				8	8			
(Colour Description :)								
(Colour Code :)								
Pier Stability				8	8			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	South headslope toe only. Class 1m.
(Type : RIP RAP; RIP RAP)				
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	2011	Reinstall hazard markers to meet standard.					
OTHER ACTION	2011	Repair NW approach rail.					
OTHER ACTION	2011	Patch potholes in both approaches.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	58.0/58.0	Est. Repl. Yr	2057	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	Stew Hagan		Previous Assistant's Name	Kris Bosters			
Next Inspection Date	06-Apr-2013		Previous Inspection Date	30-Sep-2009			
Inspection Cycle (Default) (months)	21						
Comment							