

Bridge Inspection									
Bridge File Number	77185 -2 Bridge				Form Type	PCS			
Year Built/Year Supstr	1971/1997				Lot No.	2			
Bridge or Town Name	GRIMSHAW				Inspector Name	Russel Vanderschaaf			
Located Over	MCALLISTER CREEK, 8.10.61, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	2:64 C1 6.507				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	16-Nov-2011			
Legal Land Location	NW SEC 5 TWP 83 RGE 23 W5M				Data Entry By	Lisa Fairhurst			
Longitude, Latitude	-117:36:38, 56:10:28				Data Entry Date	16-Dec-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA04				Review Date	12-Dec-2011			
Clear Roadway/Skew	11 /				Dept. Reviewer Name	Steve Pasquan			
AADT/Year	3,140 / 2010 (A)				Dept. Review Date	11-Jan-2012			
Road Classification	RAU-210-110				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									
Other Sign Types		Local 'services' sign							

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	OH East of roadway				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Entrance at SE & SW.				
Vertical Alignment			8	8					
Roadway Width (m)	10.000				1 post bent and poorly on West guardrail. 3 broken posts not attached to guardrail on SE corner 4				
Approach Bump			8	7					
Guardrail (Y/N)	Yes								
Guardrail			3	3					
Length (m)	19.000								
Current Standard (Y/N)	No								
Termination Type	TURN DOWN								
Drainage			8	7	No evident problems through snow,				
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 1 Spans, Lengths(m): 6, 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	0.0	0.0	0.0	0.0	
Wearing Surface			5	5	Wide cracking over abutments.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	ACP Covered.
Bump (Y/N)		No			
Deck Drainage			8	7	No drains.
Drains Clogged (Y/N)					
Curbs/Median			7	N	(Plough scrapes.-May 9, 2008)
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			7	7	Rated on 'N' 50% visible
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			7	6	Rust stains through girders. Minor spalling on S1G7.
Last Complete Inspection Date					
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	6	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1500)					
(Total Number of Caps/Corbels : 2:2)					
Scaling on caps.					
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
(Type : STEEL)					
(Depth(mm) : 350)					
(Width(mm) : 350)					
Backwalls/Breastwalls				4	4
Greatest Height (m)		2.00			
Wingwalls				5	5
				Plank on abut. 1 pushing North. Loss of embankment material on corner of plank.-	
Sw and NE planks broken. NW wingwall pile has a horizontal crack.					
(Total Number of Bearing Piles : 7:7)					
A1 P4 slightly bent to West.					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Piles				5	5
Paint/Coating				X	X
Abutment Stability				7	7
				Minor loss of material on South plank of abut. 1.	
Scour/Erosion				4	4
				Minor loss of material-plank on South backwall.	
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				7	7
				Struts 150 x 200mm Timber.	
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)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		7	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	N	
(Type : NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	8	

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	2012	Repair guardrail SE and NE corner.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/61.1	Sufficiency Rating (Last/Now) (%)	68.0/65.4	Est. Repl. Yr	2030	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor loss of embankment material on North plank abutment		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	Brian Pientsch		Previous Assistant's Name	Lisbeth Medina			
Next Inspection Date	16-Aug-2013		Previous Inspection Date	08-Feb-2010			
Inspection Cycle (Default) (months)	21						
Comment							