

Bridge Inspection									
Bridge File Number	75500 -1 Bridge				Form Type	SG CON			
Year Built/Year Supstr	1962/1962				Lot No.	2			
Bridge or Town Name	WINDFALL				Inspector Name	Stew Hagan			
Located Over	ATHABASCA RIVER, 8.11, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	21-Jan-2010			
Legal Land Location	NE SEC 20 TWP 60 RGE 14 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-116:03:45, 54:12:29				Data Entry Date	23-Feb-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	UNDEFINED CMA				Review Date	09-Feb-2010			
Clear Roadway/Skew	7.9 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	150 / 2003 (E)				Dept. Review Date	03-Mar-2010			
Road Classification	RLU-209G-90				Follow-Up By				
Detour Length (km)	60								
Allowable Load (t):	Single	H 28	Semi	HS 49	Train	CS3 70 DECK	---> 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	NB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)		
Posted:	Lane	SB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)		
Remarks									
Hazard Marker At Bridge (Y/N)									
Remarks									
Other Sign Types									

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)				
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Sight distance restricted by crest over the bridge.				
Vertical Alignment			5	5					
Roadway Width (m)	8.000								
Approach Bump			6	6					
Guardrail (Y/N)	Yes								
Guardrail			4	N	Missing splice bolts. Not connected to bridge. 75 mm pipe posts every 1.8 m. 5 posts are bent backwards.-Apr8, 2008				
Length (m)	45.000								
Current Standard (Y/N)	No		Terminal ends damaged on all corners. Improperly lapped SW corner.						
Termination Type	Terminal end								
Drainage			7	7	Snow covered.				
Approach Road General Rating			5	5					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : WG, 6 Spans, Lengths(m): 6.1-44.8-55.8-55.8-44.8-6.1, A-Ident Number: A0395-01)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Partially snow covered.	
Last	5					
Now	50.0	0.0	0.0	0.0		
Wearing Surface				4	4	Random wide cracking. Potholes forming. Chip seal coat on asphalt.
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)						
(Thickness (mm) : 50)						
Deck Top				N	N	
Deck Rideability				6	6	
Deck Joints				6	6	
Temperature (deg. C)		-9				
(Expansion Type : SLIDING PLATES)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
110		N. abut				
85		S. abut				
Deck Drainage				7	N	With snow and ice.
Drains Clogged (Y/N)		Yes				
Curbs/Median				5	N	Snow covered.
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail				3	4	Double layer, steel I posts. 4 bolt splices in flexbeam per connection. -photo Deformation from plow pressure.
(Type : GALVANIZED STEEL FLEX BEAM)						
Bridge Rail Posts				7	7	Galvanized rail/painted posts (yellow).
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating				6	6	
(Type : PAINT)						
Sidewalk				X	X	
Girder/Beam						
Cover Plate				7	7	
Flange				7	7	
Web				7	7	
Stiffeners				7	7	
Splice				7	7	
Weld				7	7	
Diaphragms/Cross Frame				7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 6 Spans, Lengths(m): 6.1-44.8-55.8-55.8-44.8-6.1, A-Ident Number: A0395-01)					
Paint Condition		5	5	Paint peeling along top of exterior bottom flanges.	
(Colour Description :)					
(Colour Code :)					
Touchup Required (Y/N)	No				
Bearings		7	7		
Temperature (deg. C)	-9				
(Expansion Type :)					
(Fixed Type :)					
Coating Adequate (Y/N)	Yes				
Functioning (Y/N)	Yes				
Deck Underside		7	7		
Stains (Percent Area)	0				
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating		7	7		
Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Secondary Span : CS)					
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	Random wide cracks	
(Material Type : ACP)					
(Thickness (mm) : 50)					
Deck Top		N	N		
Deck Rideability		6	6		
Deck Joints		6	6		
Temperature (deg. C)	-9				
(Expansion Type : SLIDING PLATES)					
(Fixed Type :)					
Gap Size (mm)	Gap Location				
110	North abutment				
85	South abutment				
Deck Drainage		7	N	Snow covered.	
Drains Clogged (Y/N)	No				
Curbs/Median		4	4	Outside of curb @ SE corner spalled. -photo 90% snow covered- rated curb exterior.	
(Curb Type : Standard)					
Scaling (Percent Area)	0				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Secondary Span : CS)				
Bridge Rail		3	3	Missing 3 rail to post bolts @ SE corner.-photo
(Type : GALVANIZED STEEL FLEX BEAM)				
Bridge Rail Posts		7	7	Galvanized rail/painted posts (yellow).
(Type : POST STEEL;POST STEEL)				
Bridge Rail/Posts Coating		6	6	
(Type : PAINT)				
Sidewalk		X	X	
Girders		7	7	
Diaphragms/Cross Frame		X	X	
Bearings		X	X	Tied in integrally.
Temperature (deg. C)	-9			
(Expansion Type :)				
(Fixed Type :)				
Coating Adequate (Y/N)				
Functioning (Y/N)				
Deck Underside		7	7	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		6	6	
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0:0:0:0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		5	X	Black steel- no coating.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		N	N	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Rounded rock on banks under abutments, Class I & II.
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : RIP RAP)				
Guidebank/Spurs		8	8	
Adequacy of Opening		8	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	2010	Replace 3 connector bolts.					
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
REPAIR/SEAL CURBS	2010	Repair spall @ SE corner.					
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2010	Replace damaged guardrail posts and properly lap flexbeam sections.(If not already done)					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	73.1/73.1	Est. Repl. Yr	2030	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor deck cracks.		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	Jason Saly		Previous Assistant's Name				
Next Inspection Date	21-Apr-2013		Previous Inspection Date	08-Apr-2008			
Inspection Cycle (Default) (months)	39						
Comment							