

Bridge Inspection									
Bridge File Number	73632 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1965/1965				Lot No.	2			
Bridge or Town Name	WILD HORSE				Inspector Name	Jason Rusu			
Located Over	SAGE CREEK, 29, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	41:02 C1 18.296				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	15-Jan-2012			
Legal Land Location	SE SEC 30 TWP 2 RGE 2 W4M				Data Entry By	Anne Roberts			
Longitude, Latitude	-110:15:07, 49:09:04				Data Entry Date	29-Feb-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA23				Review Date	24-Jan-2012			
Clear Roadway/Skew	9.1 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	150 / 2010 (A)				Dept. Review Date	11-Mar-2012			
Road Classification	RAU-209-110				Follow-Up By				
Detour Length (km)	27								
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 75 GIRDER	----> 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)	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									
Other Sign Types	CREEK I.D.								

Utilities (Located at)									
Utility Attachments									
Telephone	West side.				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		8	8	In sag curve with blind crest curve to south. No passing					
Vertical Alignment		5	5						
Roadway Width (m)	9.200			Patch voids at SE & NE					
Approach Bump			7	3					
Guardrail (Y/N)	Yes				Accident damage at NW & SE				
Guardrail			7	3	Not thriebeam				
Length (m)	12.000								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			8	8					
Approach Road General Rating		5	5						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 3 Spans, Lengths(m): 8.5-8.5-8.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			4	6	Previous rating for approach road.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	
Bump (Y/N)		Yes			
Deck Drainage			6	6	
Drains Clogged (Y/N)		No			
Curbs/Median			6	3	Large voids at NE curb spalls at NW & SE from vehicle impact or plow damage.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			6	4	Double layer Damaged from plow/vehicle impact
(Type : FLEX BEAM)					
Bridge Rail Posts			6	4	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			4	4	Loose A/B's at NE 40% PAINT FAILURE-some pitting
(Type : PAINT)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			4	4	MOST GIRDERS HAVE DRIFT PIN SPALLS. NARROW SHEAR CRACKS @ 4 GIRDERS @ N&S SPAN. 3 POPOUT @ 3RD & 6th FROM SE middle span 6th girder 7 OF 33 GIRDERS HAVE WIDE CRACKS OR SPALLS IN ONE WEB IN ANCHORAGE ZONE, 3 OF WHICH ARE EXTERIOR GIRDERS.
Last Complete Inspection Date		15-Jan-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 33)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	4	

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 : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	No paint on caps	
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : STEEL)						
(Depth(mm) : 309)						
(Width(mm) : 309)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		1.30				
Wingwalls				5	4	East side N and S wing wall top plank broken
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Some checks.	
Last	0	0	0	0		
Now	0	0	0	0		
Piles				5	5	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				7	7	
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	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				8	7	
(Type : STEEL)						
(Depth(mm) : 309)						
(Width(mm) : 309)						
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Pier Shaft/Piles				5	5	
Greatest Height (m)		5.10				
Bracing/Struts/Sheathing				6	5	
Nose Plate				6	5	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	6	
Scour		7	7	
Debris (Y/N)	Yes			Existing pier piles/sheathing
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(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		7	7	
(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	2012	repair damaged guardrail @ SE					
SEAL CURBS	2012	Patch Curbs 1m3 concrete					
PATCH DECK	2012	patch voids eastside N and S abutment joint					
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	69.2/68.0	Est. Repl. Yr	2020	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	Jason Rusu		Previous Assistant's Name				
Next Inspection Date	15-Oct-2013		Previous Inspection Date	06-Aug-2010			
Inspection Cycle (Default) (months)	21						
Comment							