

Bridge Inspection							
Bridge File Number	75743 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1963/1963			Lot No.	4		
Bridge or Town Name	HILL SPRING			Inspector Name	Jason Rusu		
Located Over	UID - IRRIGATION C, WATERCRS-IC			Inspector Class	BR CLS A		
Located On	800:02 C1 14.405			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	08-Dec-2012		
Legal Land Location	NW SEC 31 TWP 3 RGE 27 W4M			Data Entry By	Anne Roberts		
Longitude, Latitude	-113:37:23, 49:15:34			Data Entry Date	08-Jan-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Garry Roberts		
Contract Main. Area	CMA25			Review Date	16-Dec-2012		
Clear Roadway/Skew	8.2 / -15 deg. (LHF)			Dept. Reviewer Name	Tim Davies		
AADT/Year	410 / 2011 (A)			Dept. Review Date	22-Jan-2013		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	5						
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 req.							
Hazard Marker At Bridge (Y/N)	Yes							
Remarks								
Other Sign Types								

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	East side		Gas
Power	W. side 3 wire		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	
Vertical Alignment		8	8	
Roadway Width (m)	10.300			
Approach Bump		6	6	
Guardrail (Y/N)	Yes			Short NE (round out). Turned down other 3 corners.
Guardrail		5	4	
Length (m)	5.000			Turndown not properly installed at NW Incorrect lap, both sides
Current Standard (Y/N)	No			
Termination Type	ROUND/TURNED DOWN			
Drainage		7	7	
Approach Road General Rating		8	8	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 8.5, A-Ident Number:)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(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		6	6	Longitudinal cracks along girder lines are sealed.	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N		
Deck Rideability		7	7		
Deck Joints		N	N	Paved over	
Bump (Y/N)	No				
Deck Drainage		7	7		
Drains Clogged (Y/N)	No				
Curbs/Median		5	5	Minor scrapes and chips	
(Curb Type : Standard)					
Scaling (Percent Area)	5				
Bridge Rail		8	8	Double layer	
(Type : FLEX BEAM)					
Bridge Rail Posts		7	7	Some rust & pitting	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		4	4		
(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		5	5	Spall or wide cracks in AZ of 1 leg only G1, G3, G7. Narrow shear cracks in G2-9 inculsive.	
Last Complete Inspection Date	08-Dec-2012				
Cracking (Y/N)	Yes				
Spalling (Percent Area)	1				
Lift or Connector Pocket Grouted (Y/N)	Yes				
(Number Of Girders : 10)					
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) : Y)					
(Extended Backwall Piles Spacing(mm) : 1600)					
(Total Number of Caps/Corbels : 3:3)					
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			6	6	
(Type : TREATED TIMBER)					
(Depth(mm) : 300)					
(Width(mm) : 350)					
Backwalls/Breastwalls			7	7	
Greatest Height (m)		2.30			
Wingwalls			7	7	
(Total Number of Bearing Piles : 7:7)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles			6	6	
Paint/Coating			X	X	
Abutment Stability			7	7	
Scour/Erosion			7	7	
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			X	X	
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		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		5	5	Turns 90 deg on East side- U/S
Bank Stability		7	7	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	Pit run
(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		5	5	

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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	65.5/65.5	Est. Repl. Yr	2020	Maint. Req. (Y/N)	No
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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	08-Mar-2016		Previous Inspection Date	08-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							