

Bridge Inspection									
Bridge File Number	72032 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1964/1964				Lot No.	4			
Bridge or Town Name	ROLLING HILL				Inspector Name	Jason Rusu			
Located Over	EID - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS A			
Located On	875:04 C1 30.369				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	18-Mar-2012			
Legal Land Location	SW SEC 20 TWP 16 RGE 13 W4M				Data Entry By	Erin Roberts			
Longitude, Latitude	-111:46:08, 50:21:15				Data Entry Date	11-Apr-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA23				Review Date	23-Mar-2012			
Clear Roadway/Skew	8.4 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	610 / 2011 (A)				Dept. Review Date	17-Apr-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 65 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									
Hazard Marker At Bridge (Y/N)		Yes							
Remarks									
Other Sign Types		Narrow bridge.							

Utilities (Located at)									
Utility Attachments									
Telephone	Crosses South cap of bridge & East & West r/w. Telus also crosses on East side.				Gas	Crosses canal 30m East.			
Power	3 wires East & 3 wires South 30m.				Municipal				
Others	Conduit in West ext girders - Telus				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			4	4	Intersection 20m South.				
Vertical Alignment			5	5					
Roadway Width (m)		9.100							
Approach Bump			4	5					
Guardrail (Y/N)		Yes			Not thriebeam				
Guardrail			6	6					
Length (m)		4.000							
Current Standard (Y/N)		No							
Termination Type		FLARE END							
Drainage			6	6					
Approach Road General Rating			4	4					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 3 Spans, Lengths(m): 6.1-8.5-6.1, A-Ident Number:)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	0.0	0.0	0.0	0.0	
Wearing Surface				4	5
(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)		No			
Deck Drainage				7	7
Drains Clogged (Y/N)		No			
Curbs/Median				4	4
(Curb Type : Standard)					
Scaling (Percent Area)		2			
Bridge Rail				6	6
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts				4	4
(Type : POST STEEL;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					
Now	0	0	0	0	
Girders				4	4
Last Complete Inspection Date		18-Mar-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		18			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 30)					
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)				Deep checks underside of North cap. Two tie backs are broken on South abutment.	
(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)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				5	5
(Type : TREATED TIMBER)					
(Depth(mm) : 305)					
(Width(mm) : 305)					
Backwalls/Breastwalls			7	7	
Greatest Height (m)		1.10			
Wingwalls			7	7	
(Total Number of Bearing Piles : 7:7)					
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				5	5
Scour/Erosion				4	4
Erosion on SE & NE headslope caused by approach road drainage.					
Piers/Bents					
(Type : PIER-COLUMN)					
(#1 & 2 from West on North pier crushing into piles - minor.) 8-April - 2009					
(Total Number of Caps/Corbels : :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				4	4
(Type : TREATED TIMBER)					
(Depth(mm) : 305)					
(Width(mm) : 356)					
(Total Number of Bearing Piles : 7:7)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Pier Shaft/Piles				4	5
Greatest Height (m)		2.70			
Bracing/Struts/Sheathing				5	5
Nose Plate				X	X
Paint/Coating				X	X
(Colour Description :)					
(Colour Code :)					
Pier Stability				7	7

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		N	5	
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				CSP on SE. Outlet structure 15m West.
(D/S Direction : W)				
Alignment		9	9	
Bank Stability		3	5	Canal rehabilitation in progress.
HWM (m below Top of Curb)				None visible.
Drift (Y/N)	No			
Slope Protection		3	5	
(Type : NONE; NONE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		3	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) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	49.5/52.0	Est. Repl. Yr	2015	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	Glen Mikesh		Previous Assistant's Name				
Next Inspection Date	18-Jun-2015		Previous Inspection Date	08-Apr-2009			
Inspection Cycle (Default) (months)	39						
Comment							