

Bridge Inspection									
Bridge File Number	76860 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1980/1980				Lot No.	2			
Bridge or Town Name	HAYS				Inspector Name	Jason Rusu			
Located Over	BRP - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS A			
Located On	524:04 C1 18.579				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	17-Mar-2012			
Legal Land Location	NW SEC 22 TWP 13 RGE 14 W4M				Data Entry By	Lauren Korte			
Longitude, Latitude	-111:50:40, 50:06:07				Data Entry Date	11-Apr-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA24				Review Date	23-Mar-2012			
Clear Roadway/Skew	8.8 / 30 deg. (RHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	720 / 2011 (A)				Dept. Review Date	17-Apr-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	10								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS23						----> 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									
Utilities (Located at)									
Utility Attachments									
Telephone	South ditch.				Gas				
Power	16.5 M.N.OF CENTERLINE ,3-wire				Municipal				
Others	High pressure water line South.				Problem (Y/N)	No			
Remarks	Fibre Optic Cable North Ditch.								
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8					
Vertical Alignment			8	8					
Roadway Width (m)	9.000				Some settlement at SW.				
Approach Bump			8	6					
Guardrail (Y/N)	Yes				Accident damage @ NE.				
Guardrail			7	4	Not thriebeam. Not attached to the bridge rail on the East end.				
Length (m)	7.000								
Current Standard (Y/N)	No								
Termination Type	turned down								
Drainage			7	7	On the West end.				
Approach Road General Rating			8	8					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SM, 3 Spans, Lengths(m): 8-10-8, 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				7	6	
(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			@ West abutment.	
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			6	6		
(Curb Type : Standard)						
Scaling (Percent Area)		10				
Bridge Rail			7	4	Accident damage to NE flare end- minor. Missing 4 splice bolts @ SW.	
(Type : GALVANIZED STEEL FLEX BEAM)						
Bridge Rail Posts			8	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						
Girders			6	6	HAIRLINE LONGITUDINAL CRACKS MID. BOTTOM OF MOST GIRDERS, RUST STAINING BETWEEN OUTER 2 GIRDERS BOTH SIDES,GIRDER 7 (MID. SPAN ALLIGATOR CRACKING E. END). 3-March-2009	
Last Complete Inspection Date		17-Mar-2012				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 24)						
Span Alignment Problems						
Vertical (Y/N)		No			Angle crack in most corners.	
Horizontal (Y/N)		No				
Superstructure General Rating			6	6		

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1200)					
(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				8	7
(Type : STEEL)					
(Depth(mm) : 300)					
(Width(mm) : 350)					
Backwalls/Breastwalls				8	7
Greatest Height (m)		1.90			
Wingwalls				8	7
(Total Number of Bearing Piles : 9:9)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Piles				5	5
Paint/Coating				6	6
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					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				7	7
(Type : STEEL)					
(Depth(mm) : 300)					
(Width(mm) : 350)					
(Total Number of Bearing Piles : 9:9)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Pier Shaft/Piles				5	5
Greatest Height (m)		3.20			
Bracing/Struts/Sheathing				4	4
Nose Plate				X	X
Paint/Coating				5	5
(Colour Description :)					
(Colour Code :)					
Pier Stability				7	7

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		5	5	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		N	7	
HWM (m below Top of Curb)				None visible.
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(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 NE guardrail.					
SEAL CURBS							
PATCH DECK	2012	Build up West approach- Approximately 20m2 ALP.					
OVERLAY DECK	2012	Seal approach joints in wearing surface.					
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) (%)	70.1/66.3	Est. Repl. Yr	2025	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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	17-Jun-2015		Previous Inspection Date	03-Mar-2009			
Inspection Cycle (Default) (months)	39						
Comment							