

Bridge Inspection									
Bridge File Number	80276 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1985/1985				Lot No.	3			
Bridge or Town Name	RAYMOND				Inspector Name	Jon Davies			
Located Over	SMR - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS B			
Located On	844:02 C1 5.494				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	11-Jun-2012			
Legal Land Location	NW SEC 31 TWP 5 RGE 20 W4M				Data Entry By	Kelsey Roberts			
Longitude, Latitude	-112:41:45, 49:25:57				Data Entry Date	24-Jun-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA25				Review Date	15-Jun-2012			
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	370 / 2011 (A)				Dept. Review Date	29-Jun-2012			
Road Classification	RCU-210-110				Follow-Up By				
Detour Length (km)	6								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS230						----> 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	NARROW BRIDGE								
Utilities (Located at)									
Utility Attachments									
Telephone	W. SIDE THROUGH CURB				Gas				
Power	East & West				Municipal				
Others	ROW				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8					
Vertical Alignment			9	9					
Roadway Width (m)	9.600								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Split post and damaged wing at NW. Center bolt missing at SE wing.				
Guardrail			3	3	Not thriebeam				
Length (m)	8.300								
Current Standard (Y/N)	No								
Termination Type	OUT TURN								
Drainage			7	7					
Approach Road General Rating			8	8					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 4 Spans, Lengths(m): 8-10-10-8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			7	4	TRANSV. CRACKS AT ENDS AND OVER PIERS. 50mm wide at North end Sp.2. ACP does not extend to curb.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	6	
Deck Joints			N	N	ACP covered
Bump (Y/N)		No			
Deck Drainage			6	6	No deck drains
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	GRADER SCRAPES ALONG W. CURB MED SURFACE CRACKS AT POSTS
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			8	8	DOUBLE LAYER FLEXBEAM
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	16	0	0	0	
Girders			6	6	(HAIRLINE LONG. CRACKS ALONG BOTTOM OUTSIDE. 3 OUT OF 8 CURB UNITS.) 19-Jun-2009
Last Complete Inspection Date					
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 32)					
Span Alignment Problems					
Vertical (Y/N)		No			Sp. 2 & 3 not accessible
Horizontal (Y/N)		No			
Superstructure General Rating			6	6	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) :)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : :)						
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 : CONCRETE)						
(Depth(mm) : 550)						
(Width(mm) : 630)						
Backwalls/Breastwalls				N	N	
Greatest Height (m)		1.10				
Wingwalls				7	7	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	1					
Now	1	0	0	0		
Piles				N	N	
Paint/Coating				4	4	
Abutment Stability				8	8	
Scour/Erosion				8	7	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	3	0	0	0		
Bearing Seats/Caps/Corbels				7	N	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles : 6:6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	18	0	0	0		
Pier Shaft/Piles				7	N	
Greatest Height (m)		4.20				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				5	N	
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	N	P.R. 7
Scour		N	N	
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		9	9	
Bank Stability		9	9	
HWM (m below Top of Curb)	2.5			No HWM visible
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	(2.0 m to girder underside) 19-Jun-2009
(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							
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	2012	Replace 1 post 1 wing end at NW and 1 corner bolt at SE wing end.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	68.7/68.5	Est. Repl. Yr	2041	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	11-Sep-2015		Previous Inspection Date	19-Jun-2009			
Inspection Cycle (Default) (months)	39						
Comment							