

Bridge Inspection							
Bridge File Number	70037 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1954/1954			Lot No.	2		
Bridge or Town Name	ROSSINGTON			Inspector Name	Todd Warshawski		
Located Over	TRIBUTARY TO PEMBINA RIVER, 8.11.84.19, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	776:02 C1 6.942			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	27-May-2010		
Legal Land Location	SW SEC 31 TWP 60 RGE 1 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-114:09:07, 54:13:45			Data Entry Date	18-Jun-2010		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Arnold Assenheimer		
Contract Main. Area	CMA10			Review Date	03-Jun-2010		
Clear Roadway/Skew	8.2 /			Dept. Reviewer Name	Brent Herrick		
AADT/Year	270 / 2010 (A)			Dept. Review Date	09-May-2011		
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 62 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)	No						
Remarks							
Other Sign Types							

Utilities (Located at)			
Utility Attachments			
Telephone	West r/w.		Gas 40 m south
Power	2 lines 30 m to north.		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Entrance @ NW & SE corners.
Vertical Alignment		9	8	Deck is slightly lower than approaches.
Roadway Width (m)	7.400			
Approach Bump		5	6	
Guardrail (Y/N)	Yes			Post spacing & length not to current standard.
Guardrail		7	6	
Length (m)	11.400			
Current Standard (Y/N)	No			
Termination Type	Turned Down			
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PG, 1 Spans, Lengths(m): 6.1, A-Ident Number: )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>					
Wearing Surface			7	5	Surface spalls on SE corner.
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>50</b> )					
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			4	6	
Drains Clogged (Y/N)		Yes			
Curbs/Median			N	5	Lift hook pockets not grouted. Strike damage on SE corner.-photo
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	4	Double layer. Not spliced as per standard dwg. Missing 15 splice bolts. Post installed on flat.
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			7	5	
(Type : <b>TREATED TIMBER;TREATED TIMBER</b> )					
Bridge Rail/Posts Coating			7	6	
(Type : <b>CREOSOTE</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders			4	4	Wide cracks in AZ with sound concrete on G2-1 leg. G4,G6,G7,G10-2 legs. Concrete spalls d/s AZ with sound concrete on both legs of G6.
Last Complete Inspection Date		27-May-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>11</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>4</b>	<b>4</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1400)				(Scour hole under bridge bottom of vertical sheeting exposed, no loss of backfill. 26/Nov/2003) Iced over, rating carried forward.		
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings				Petrotac on caps.		
	N (count)	1 (count)	2 (count)	3 (count)	300x300 subcaps.	
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels			8	7		
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 350)						
Backwalls/Breastwalls			5	5	Vertical planks	
Greatest Height (m)		3.70				
Wingwalls			4	4	Missing tintop on NW wingwall-photo. SW wingwall loose and leaning.-photo	
(Total Number of Bearing Piles : 8:8)				5 piles banded. Recently cored.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Piles			4	4		
Paint/Coating			X	X		
Abutment Stability			7	6		
Scour/Erosion			4	4	(Scour hole under bridge bottom of vertical sheeting exposed, no loss of backfill. 26/Nov/2003) Scour along SW and NE wingwalls.	
<b>Piers/Bents</b>						
(Type : )						
(Total Number of Caps/Corbels : )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
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)		
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles			X	X		
Greatest Height (m)						
Bracing/Struts/Sheathing			7	7	150x200 struts.	
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			
<b>Substructure General Rating</b>		<b>4</b>	<b>4</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				Curves entering and exiting bridge.
(D/S Direction : <b>E</b> )				
Alignment		5	5	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		4	4	(Scour hole under bridge. 26/Nov/2003)
(Type : <b>NONE; NONE</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>4</b>	<b>4</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2011	Repair laps, install 15 splice bolts.					
SEAL CURBS	2011	Patch curbs, grout lift pockets, seal.					
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	2011	10m3 along backwalls/wingwalls.					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2011	Treat / tar top of NW wingwall pile & install tin cap.					
OTHER ACTION	2011	Rebuild SW wingwall.					
OTHER ACTION	2011	Install hazard markers.					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>44.4/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>57.6/56.5</b>	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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	27-Aug-2013		Previous Inspection Date	28-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							