

Bridge Inspection							
Bridge File Number	76364 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1967/1967			Lot No.	1		
Bridge or Town Name	LUNDBRECK			Inspector Name	Garry Roberts		
Located Over	CROWSNEST RIVER, 2.12.37, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	3:04 C1 9.969			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	29-Nov-2011		
Legal Land Location	NE SEC 27 TWP 7 RGE 2 W5M			Data Entry By	Alyssa Boynton		
Longitude, Latitude	-114:11:07, 49:35:32			Data Entry Date	16-Dec-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Tom Carey		
Contract Main. Area	CMA26			Review Date	07-Dec-2011		
Clear Roadway/Skew	13.4 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	3,730 / 2010 (A)			Dept. Review Date	10-Jan-2012		
Road Classification	RAU-213.4-120			Follow-Up By			
Detour Length (km)	3						
Allowable Load (t):	Single	CS1 52 GIRDER	Semi	CS2 60 GIRDER	Train	CS3 70 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	EB	At Junction (Y/N)	In Advance (Y/N)	At Bridge (Y/N)		
Posted:	Lane	WB	At Junction (Y/N)	In Advance (Y/N)	At Bridge (Y/N)		
Remarks	Not req.						
Hazard Marker At Bridge (Y/N)	No						
Remarks							
Other Sign Types							

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	S. underside of deck & S. r/w and North row.		Gas
Power	North row.		Municipal
Others			Problem (Y/N) No
Remarks	...from c.l fibre optics @ South R/W		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Curve at west end
Vertical Alignment		7	7	
Roadway Width (m)	13.400			
Approach Bump		6	6	
Guardrail (Y/N)	Yes			Wrong lap at NE
Guardrail		4	3	1 length of GR short of bridge @ SW. Not thriebeam
Length (m)	30.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		5	5	
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PO, 2 Spans, Lengths(m): 27.4-27.4, 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>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			5	4	CHIPSEAL over ACP Wide spread map cracking and potholes developing along paving lips.
(Material Type : <b>ACP - CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : <b>90</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			6	6	Fingers are welded wrong side.
Temperature (deg. C)		-3			
(Expansion Type : <b>FINGER PLATES</b> )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
100		East			
65		West			
Deck Drainage			4	3	Both backwall drains corroded out, dropping drainage on abut seats.
Drains Clogged (Y/N)		No			
Curbs/Median			3	3	Curb cracked @ 6th post from SE corner. Some leaching outer curb; some snowplow abrasions.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			5	5	2nd panel from southwest -minor damage - 2 bent verticals. 2 nuts & one bolt missing southeast corner post.
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			3	3	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			6	5	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			5	5	3mm wide diagonal cracks @ west span girders @ pier From shoe plates up 200mm to diaphragm. 7 continuous girders x 2 spans.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : <b>7</b> )					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 2 Spans, Lengths(m): 27.4-27.4, A-Ident Number: )				
Diaphragms/Cross Frame		7	7	Surface rust, especially west end.
Bearings		7	7	Exp. at abuts.
Temperature (deg. C)	-3			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>5</b>	<b>5</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		5	5	
Piles		N	N	Buried.
Paint/Coating		4	4	Tar coating peeling.
Abutment Stability		7	7	
Scour/Erosion		4	4	Undermined 1 m at NE slope drain.
<b>Piers/Bents</b>				
(Type : PIER-SOLID)				
Bearing Seats/Caps		8	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		8	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	20% superficial corrosion on nose plate.
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	7	
Scour		7	7	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>6</b>	<b>6</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				
(D/S Direction : <b>N</b> )				
Alignment		6	6	
Bank Stability		5	5	Localized erosion at sides of bridge at soil area at east slope.
HWM (m below Top of Curb)	2.5			No visible HWM
Drift (Y/N)	No			
Slope Protection		5	5	90% natural rock under abutment.
(Type : )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>6</b>	<b>5</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	install 2 1" A/B nuts. Extend SE rail and bolt to post.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2012	Patch @ 6th post from SE- approx. 0.9x0.4					
PATCH DECK							
SEAL DECK							
OVERLAY DECK	2015	New ACP or HPC					
REPAIR/REPLACE DECK JOINTS	2012	new backwall drains @ both abuts - 28 lineal meters or new strip seal joints in C/W deck overlay.					
RESET/ PAINT BEARINGS							
WASHING	2012	Abutment seats.					
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Install 1 - 3.8m of GR @ SW					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>64.6/63.3</b>	Est. Repl. Yr	2032	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	29-Aug-2013		Previous Inspection Date	18-May-2010			
Inspection Cycle (Default) (months)	21						
Comment							