

Bridge Inspection									
Bridge File Number	80663 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1984/1984				Lot No.	2			
Bridge or Town Name	LETHBRIDGE				Inspector Name	Garry Roberts			
Located Over	3:09 R1 3.721;3:09 L1 3.746				Inspector Class	BR CLS A			
Located On	14220:02 R1 0.069;14220:02 L1 0.224				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	02-Dec-2011			
Legal Land Location	SW SEC 6 TWP 9 RGE 21 W4M				Data Entry By	Anne Roberts			
Longitude, Latitude	-112:50:47, 49:42:07				Data Entry Date	08-Jan-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Joel Wozney			
Contract Main. Area	CMA25				Review Date	12-Dec-2011			
Clear Roadway/Skew	18 / 0 deg.				Dept. Reviewer Name	Tim Davies			
AADT/Year	13,583 / 1993 (E)				Dept. Review Date	12-Jan-2012			
Road Classification	RCU-208-110				Follow-Up By				
Detour Length (km)	2								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750				----> Primary Span				

Posting Information													
Required Vert. Clearance Posting (m)				UNDER: 3 L1 5.5m, 3 R1 5.5m									
Posted Vertical Clearance (Y/N)				Yes									
Posted:	Lane	EB	On Bridge (m)	5.5	In Advance (Y/N)	No	Lane	WB	On Bridge (m)	5.5	In Advance (Y/N)	No	
Remarks													
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				ROUTE									

Utilities (Located at)													
Utility Attachments		TELEPHONE UTILITIES-PHONE LINE											
Telephone	@ N RW					Gas							
Power						Municipal							
Others	Light standards					Problem (Y/N)	No						
Remarks		Traffic lights N&S end											

Approach Road					
		Last	Now	Explanation of Condition	
Horizontal Alignment		5	5	Curves @ both ends- controlled intersection North City file 84-000-17 - Scenic Drive	
Vertical Alignment		7	7		
Roadway Width (m)		18.000		Guardrail @ NW & SE	
Approach Bump		5	5		
Guardrail (Y/N)		Yes		Not thriebeam	
Guardrail		7	7		
Length (m)		23.000			
Current Standard (Y/N)		No			
Termination Type		TURNDOWN			
Drainage		7	7		
Approach Road General Rating		5	5		

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PB, 1 Spans, Lengths(m): 41, A-Ident Number:)					
Special Features					
Special Feature		7	7	Sign board & lights @ W side of brg	
(SType : LRGE SIGN PANEL)					
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		X	7		
(Material Type : CONCRETE)					
(Thickness(mm) : 60)					
Lateral Connection Problem (Y/N)	No				
Deck Top		7	7	Cast deck	
Deck Rideability		8	7		
Deck Joints		4	4	3 gland joint SW & curb cover plate bent up 40mm 1 missing cover plate bolt at NW sidewalk	
Temperature (deg. C)		-3			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
Gap Size (mm)		Gap Location			
55		N abut			
45		S abut			
Deck Drainage		7	6		
Drains Clogged (Y/N)		No			
Curbs/Median		4	4	Spall @ median and @ N end East side	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail		3	3	1 A/B not grouted at SE and 1 not fully tightened at NE	
(Type : BRIDGE TUBE)					
Bridge Rail Posts		7	7	Paint 10% peeled	
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating		6	5		
(Type : PAINT)					
Sidewalk		6	6	Minor exposed rebar and isolated longitudinal and transverse cracking	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders		7	7	Hairline to narrow long crk at webs and flange of tubs	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 7)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PB, 1 Spans, Lengths(m): 41, A-Ident Number:)				
Diaphragms/Cross Frame		8	8	
Bearings		8	8	Both abuts
Temperature (deg. C)	-3			
(Expansion Type : POT BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Stains appear from past leakage Gland joints patched @ abuts & gland seal @ median
Stains (Percent Area)	3			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		3	3	Minor spall crack at NW and spalling at exposed rebar at NE corners
Piles		N	N	Buried
Paint/Coating		6	6	
Abutment Stability		8	8	
Scour/Erosion		X	X	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		6	6	on grade
Traffic Safety Features		7	7	
Type	CON PARAPET			
Slope Protection		6	6	3mm crack @ SW & SE to 6mm
(Type : CONCRETE; CONCRETE)				
Bank Stability		7	7	
Drainage		7	7	
Grade Separation General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Reinstall 1 A/B at SW					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2012	Patch @ N Median - 0.05m3NH and NE curb					
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2012	Straighten SW Cover Plate and install 1 bolt at NW					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Recast corner @ NW and NE wingwall					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	64.5/64.5	Est. Repl. Yr	2051	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	02-Sep-2013		Previous Inspection Date	03-Jul-2010			
Inspection Cycle (Default) (months)	21						
Comment							