

Bridge Inspection													
Bridge File Number	80660 -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 4.658;3:09 L1 4.683					Inspector Class	BR CLS A						
Located On	14215:02 R1 0.068;14215:02 L1 0.036					Assistant Name							
Water Body Cl./Year						Assistant Class							
Navigabil. Cl./Year						Inspection Date	01-Dec-2011						
Legal Land Location	SE SEC 6 TWP 9 RGE 21 W4M					Data Entry By	Anne Roberts						
Longitude, Latitude	-112:50:02, 49:41:59					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	25 / 18 deg. (RHF)					Dept. Reviewer Name	Tim Davies						
AADT/Year	19,100 / 1993 (E)					Dept. Review Date	12-Jan-2012						
Road Classification	RCU-208-110					Follow-Up By							
Detour Length (km)	1												
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62			----> On Critical Spans ---->Critical Member
Design Loading:	MS300					----> Primary Span							
Posting Information													
Required Vert. Clearance Posting (m)	UNDER: 3 L1 5.6m, 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													
Utilities (Located at)													
Utility Attachments	OTHER UTILITIES-OTHER LINES; TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE												
Telephone	@ NE					Gas							
Power	@ SW					Municipal			Manhole @ EBL und brg & @ NE				
Others	Light standards					Problem (Y/N)			No				
Remarks	conduits @ deck und side @ E traffic lights												
Approach Road													
				Last	Now	Explanation of Condition							
Horizontal Alignment				5	5	Curves & intersections city file 84-000-22							
Vertical Alignment				5	5	Stafford Drive							
Roadway Width (m)	25.000					Minor pothole at SW out of driving lane							
Approach Bump				5	5								
Guardrail (Y/N)	Yes					Type 6 @ all corners							
Guardrail				6	6	Not thriebeam							
Length (m)	57.000												
Current Standard (Y/N)	No												
Termination Type	TURNDOWN												
Drainage				7	7								

Approach Road				
		Last	Now	Explanation of Condition
Approach Road General Rating		5	5	
Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PB, 1 Spans, Lengths(m): 44.7, A-Ident Number:)				
Special Features				
Special Feature		7	6	Sign board & lighting @ E side. Moderate corrosion at sign fasteners.
(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	6	Moderate abrasion
(Material Type :)				
(Thickness(mm) :)				
Lateral Connection Problem (Y/N)				
Deck Top		6	6	Concrete deck - abrasion
Deck Rideability		7	7	
Deck Joints		5	5	(Active Leakage @ SW & SE @ South Abut)
Temperature (deg. C)		-3		No visible problems this inspection
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))				
(Fixed Type :)				
Gap Size (mm)		Gap Location		
60		N abut		
45		S abut		
Deck Drainage		6	6	
Drains Clogged (Y/N)		No		
Curbs/Median		7	7	abrasion minor
(Curb Type : Standard)				
Scaling (Percent Area)		0		
Bridge Rail		8	8	HSS tube rail on steel box posts median @ center
(Type : BRIDGE TUBE)				
Bridge Rail Posts		8	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)				
Bridge Rail/Posts Coating		7	6	
(Type :)				
Sidewalk		6	6	Map cracks- narrow
Girder Detail Ratings				
	N (count)	1 (count)	2 (count)	3 (count)
Last	0	0	0	0
Now	0	0	0	0

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PB, 1 Spans, Lengths(m): 44.7, A-Ident Number:)				
Girders		7	7	Minor map cracking @ fascia @ long crks
Cracking (Y/N)	Yes			
Spalling (Percent Area)	0			
(Number Of Girders : 8)				
Diaphragms/Cross Frame		8	8	
Bearings		8	8	Fixed at A1
Temperature (deg. C)	-3			
(Expansion Type : POT BEARING)				
(Fixed Type : POT BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		8	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
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				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		7	7	
Type	CON PARAPET			
Slope Protection		5	4	Crack @ SE & NW
(Type : CONCRETE; CONCRETE)				Pulled away 100 mm x 0.4 deep @ wings
Bank Stability		6	6	
Drainage		7	7	
Grade Separation General Rating		5	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2012	Investigate leakage @ S abut and new gland - if not done					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION	2012	Seal slope protection @ wingwalls					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/83.3	Sufficiency Rating (Last/Now) (%)	68.3/64.2	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	01-Sep-2013		Previous Inspection Date	04-Jul-2010			
Inspection Cycle (Default) (months)	21						
Comment							