

Bridge Inspection										
Bridge File Number	80844 WC-2 Bridge				Form Type	PSR				
Year Built/Year Supstr	1985/1985				Lot No.	2				
Bridge or Town Name	LETHBRIDGE				Inspector Name	Garry Roberts				
Located Over	5:07 L1 5.863;5:07 R1 5.870				Inspector Class	BR CLS A				
Located On	RAMP 4083-1 C				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	01-Dec-2011				
Legal Land Location	NE SEC 32 TWP 8 RGE 21 W4M				Data Entry By	Anne Roberts				
Longitude, Latitude	-112:48:41, 49:41:52				Data Entry Date	08-Jan-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Joel Wozney				
Contract Main. Area	CMA25				Review Date	13-Dec-2011				
Clear Roadway/Skew	7.5 / -6 deg. (LHF)				Dept. Reviewer Name	Tim Davies				
AADT/Year	1,200 / 2007 (E)				Dept. Review Date	12-Jan-2012				
Road Classification	RFD-412.4-130				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: 5 L1 5.2m, 5 R1 4.9m									
Posted Vertical Clearance (Y/N)			Yes									
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)	4.7	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, MERGE, 70KM/HR										

Utilities (Located at)										
Utility Attachments	GAS UTILITIES-GAS LINE; OTHER UTILITIES-OTHER LINES; TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE									
Telephone	@ N				Gas	@ SE				
Power	5W 100m N				Municipal					
Others	Light standards				Problem (Y/N)	No				
Remarks										

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	City file 85-000-25. Over Mayor Magrath Signed as 85-000-8
Vertical Alignment		5	5	
Roadway Width (m)	7.500			Heave of 50mm @ east approach
Approach Bump		5	4	
Guardrail (Y/N)	Yes			Guardrail is concrete parapets. 150 mm misalignment at NE.
Guardrail		7	4	
Length (m)	24.000			
Current Standard (Y/N)	Yes			
Termination Type	sloped			
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>5</b>	<b>5</b>	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>PB, 1 Spans, Lengths(m): 36, A-Ident Number: </b> )						
<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			6	6	Some hairline crks and abrasion	
(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			7	7		
Temperature (deg. C)		-2				
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )						
(Fixed Type : )						
Gap Size (mm)		Gap Location				
80		E abut				
60		W abut				
Deck Drainage			7	5	No drains	
Drains Clogged (Y/N)		No				
Curbs/Median			7	7		
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		1				
Bridge Rail			7	7	3 steel round tubes on square steel HSS posts 40% grout failure on edges	
(Type : <b>BRIDGE TUBE</b> )						
Bridge Rail Posts		5	5			
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating		5	5			
(Type : <b>PAINT</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			7	7	Hairline @ exteriors	
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
(Number Of Girders : <b>2</b> )						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>PB, 1 Spans, Lengths(m): 36, A-Ident Number: )</b>				
Diaphragms/Cross Frame		7	7	
Bearings		7	7	
Temperature (deg. C)	18			
(Expansion Type : <b>POT BEARING</b> )				
(Fixed Type : <b>POT BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>7</b>	<b>7</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		7	7	
Wingwalls		6	6	
Piles		N	N	Buried
Paint/Coating		5	5	
Abutment Stability		8	8	
Scour/Erosion		X	X	
<b>Piers/Bents</b>				
(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			
<b>Substructure General Rating</b>		<b>7</b>	<b>7</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		6	6	23m road under bridge Traffic lights @ both ends
Traffic Safety Features		7	7	
Type	MEDIAN			
Slope Protection		X	7	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability		X	X	
Drainage		7	7	
<b>Grade Separation General Rating</b>		<b>6</b>	<b>6</b>	

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							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION	2012	Blast and coat N wingwall. Reseal parapet caulking					
OTHER ACTION	2012	Patch MSE caps @ NE & NW					
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>77.8/77.8</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>58.4/58.4</b>	Est. Repl. Yr	2061	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							