

Bridge Inspection									
Bridge File Number	77091 W-2 Bridge				Form Type	PSR			
Year Built/Year Supstr	1970/1970				Lot No.	4			
Bridge or Town Name	CHESTERMERE				Inspector Name	Jason Rusu			
Located Over	1A:08 L1 4.399;1A:08 R1 4.397				Inspector Class	BR CLS A			
Located On	1:10 L1 9.775				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	03-Mar-2012			
Legal Land Location	SW SEC 23 TWP 24 RGE 28 W4M				Data Entry By	Anne Roberts			
Longitude, Latitude	-113:48:44, 51:03:09				Data Entry Date	28-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA30				Review Date	12-Mar-2012			
Clear Roadway/Skew	12.2 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	17,310 / 2011 (A)				Dept. Review Date	29-Mar-2012			
Road Classification	RFD-412.4-130				Follow-Up By				
Detour Length (km)	1								
Allowable Load (t):	Single	CS1 38 GIRDER	Semi	CS2 49	Train	CS3 62 GIRDER	----> On Critical Spans ---->Critical Member		
Design Loading:	HS20						----> Primary Span		

Posting Information											
Required Vert. Clearance Posting (m)			UNDER: 1A L1 5.2m, 1A R1 5.2m								
Posted Vertical Clearance (Y/N)			Yes								
Posted:	Lane	EB	On Bridge (m)	In Advance (Y/N)	Yes	Lane	WB	On Bridge (m)	In Advance (Y/N)	Yes	
Remarks		E/B posting on 77091 E W/B on 77091 WB									
Required Load Posting (t)			Single		Semi		Truck Train				
Posted Loading (t)			Single		Semi		Truck Train				
Posted:	Lane	NB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)				
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)	Yes
Remarks	
Other Sign Types	

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	IN MEDIAN	Gas	
Power	ATTACHED TO BOTH ABUTMENTS.	Municipal	
Others	STREET LIGHTS.	Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	
Vertical Alignment		7	7	
Roadway Width (m)	12.200			
Approach Bump		7	7	
Guardrail (Y/N)	Yes			Missing 4 splice bolts at SW and SE
Guardrail		4	4	Not thriebeam
Length (m)	53.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS			
Drainage		7	7	
Approach Road General Rating		6	6	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : FC, 2 Spans, Lengths(m): 24.4-24.4, A-Ident Number:)						
Special Features						
Special Feature		8	8			
(Type : UNDERSLUNG DIAPHR)						
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		8	8	New overlay in 2010		
(Material Type : CONCRETE)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)	No					
Deck Top		N	N			
Deck Rideability		8	8			
Deck Joints		8	N	Gravel covered		
Temperature (deg. C)		5				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
Gap Size (mm)		Gap Location				
73	S. abut					
70	C. PIER					
90	N. ABUT					
Deck Drainage		7	7	NO DRAINS		
Drains Clogged (Y/N)		No				
Curbs/Median		6	6			
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail		8	8	Isolated A/B nuts with less than full thread		
(Type : BRIDGE TUBE)						
Bridge Rail Posts		4	4	Paint over galvanizing		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating		6	5			
(Type : PAINT)						
Sidewalk		X	X			
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Girders		5	5	CRACKING AT GIRDER ENDS TYPICAL OF F.C. GIRDERS Narrow to medium width Rating increase due to strengthening		
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
(Number Of Girders : 16)						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 2 Spans, Lengths(m): 24.4-24.4, A-Ident Number:)				
Diaphragms/Cross Frame		7	7	
Bearings		5	5	SS distortd from steel plate corrosion stress at abuts Bearings are tied over pier at pier
Temperature (deg. C)	5			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		7	7	
Piles		N	N	Buried
Paint/Coating		5	5	Tar coating
Abutment Stability		8	8	
Scour/Erosion		X	X	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 5)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		7	7	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		X	X	
Type				
Slope Protection		7	7	
(Type : CONCRETE; CONCRETE)				
Bank Stability		7	7	
Drainage		7	7	
Grade Separation General Rating		7	7	

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							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	60.5/60.0	Est. Repl. Yr	2045	Maint. Req. (Y/N)	No
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	03-Dec-2013		Previous Inspection Date	12-Oct-2010			
Inspection Cycle (Default) (months)	21						
Comment							