

Bridge Inspection										
Bridge File Number	82413 W-2 Bridge					Form Type	SG			
Year Built/Year Supstr	2007/2007					Lot No.	2			
Bridge or Town Name	CPR					Inspector Name	Garry Roberts			
Located Over	15 STREET NE;CPR					Inspector Class	BR CLS A			
Located On	201:08 L1 22.448					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	20-Aug-2011			
Legal Land Location	NW SEC 36 TWP 25 RGE 1 W5M					Data Entry By	Alyssa Boynton			
Longitude, Latitude	-114:01:17, 51:10:34					Data Entry Date	06-Sep-2011			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey			
Contract Main. Area	DEERFOOT/STONEYP					Review Date	24-Aug-2011			
Clear Roadway/Skew	24.5 / -44 deg. (LHF)					Dept. Reviewer Name	Tim Davies			
AADT/Year	25,040 / 2010 (A)					Dept. Review Date	08-Sep-2011			
Road Classification						Follow-Up By				
Detour Length (km)										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49		Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	CL800									----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N) Yes												
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)		Lane	SB	On Bridge (m)	6.2	In Advance (Y/N)	No
Remarks	N/B posting is on E/B lane.											
Required Load Posting (t)				Single			Semi			Truck Train		
Posted Loading (t)				Single			Semi			Truck Train		
Posted:	Lane	WB	At Junction (Y/N)				In Advance (Y/N)			At Bridge (Y/N)		
Posted:	Lane	EB	At Junction (Y/N)				In Advance (Y/N)			At Bridge (Y/N)		
Remarks	Not req.											
Hazard Marker At Bridge (Y/N)		No										
Remarks		Not req.										
Other Sign Types												

Utilities (Located at)												
Utility Attachments												
Telephone	Buried at fenceline paralling Pier 1						Gas					
Power	North and South Row and crosses East Abut.						Municipal	Light standards				
Others	Unknown utility manholes at NE and NW						Problem (Y/N)	No				
Remarks												

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Estimate
Vertical Alignment		8	8	
Roadway Width (m)	27.000			
Approach Bump		7	7	Thriebeam connection bolts not fully torqued at NE transition to bridge barrier. Rail is continous at east approach end.
Guardrail (Y/N)	Yes			
Guardrail		4	4	
Length (m)	18.000			
Current Standard (Y/N)	Yes			
Termination Type	Attenuator			
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>8</b>	<b>8</b>	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>WG, 3 Spans, Lengths(m): 35-44-35, A-Ident Number: A1698-01</b> )						
<b>Special Features</b>						
Special Feature			8	Railing on top of West abut. mse wall		
(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			8	8	With waterproof protection system.	
(Material Type : <b>MIX TYPE 1 ACP</b> )						
(Thickness(mm) : <b>90</b> )						
Deck Top			N	N	Paved over.	
Deck Rideability			8	8		
Deck Joints			7	4	Perpendicular cracks in approach joint con. paving lip - typ both abut Snow plow guards - 1 missing at each abutment joint.	
Temperature (deg. C)		23				
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )						
(Fixed Type : )						
Gap Size (mm)		Gap Location				
55		Abut. 1- West				
60		Abut. 2- East				
Deck Drainage			3	7		
Drains Clogged (Y/N)		No				
Curbs/Median			8	8		
(Curb Type : <b>JERSEY/F SHAPE</b> )						
Scaling (Percent Area)		0				
Bridge Rail			X	X		
(Type : )						
Bridge Rail Posts			X	X		
(Type : )						
Bridge Rail/Posts Coating			X	X		
(Type : )						
Sidewalk			X	X		
<b>Girder/Beam</b>						
Cover Plate			X	X	7 girders/span.	
Flange			9	8		
Web			9	8		
Stiffeners			9	8		
Splice			9	8		
Weld			9	8		
Diaphragms/Cross Frame			9	8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>WG, 3 Spans, Lengths(m): 35-44-35, A-Ident Number: A1698-01</b> )				
Paint Condition		X	X	Weathering steel
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings		8	8	A1, P1, P2 not accessible, viewed with binoculars P2 is fixed.
Temperature (deg. C)	23			
(Expansion Type : <b>REINFORCED PAD BEARING</b> )				
(Fixed Type : <b>REINFORCED PAD BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>8</b>	<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		9	8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	8	MSE wall at West Abut.
Wingwalls		8	8	
Piles		N	N	H piles buried
Paint/Coating		8	7	Pigmented sealer- graffiti at Abut. 2
Abutment Stability		9	8	
Scour/Erosion		8	8	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		9	8	
(Type : )				
(Total Number of Bearing Piles : <b>4:4</b> )				
Pier Shaft/Piles		9	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		9	8	
Scour		7	7	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>9</b>	<b>8</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		5	5	Posted for max 25mph. Access roads under Sp.1 and 3- CPR under Sp. 2
Traffic Safety Features		X	X	
Type				
Slope Protection		7	7	
(Type : <b>NATURAL; NATURAL</b> )				
Bank Stability		7	7	
Drainage		7	7	
<b>Grade Separation General Rating</b>		<b>5</b>	<b>5</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2011	Torque transition bolts at NE					
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2011	Install 2 plow gaurds at Abutment joints.					
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2011	Install advance VC signs on local road under span 1					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>94.4/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>69.0/62.9</b>	Est. Repl. Yr	2081	Maint. Req'd. (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	20-May-2013		Previous Inspection Date	24-Nov-2009			
Inspection Cycle (Default) (months)	21						
Comment							