

Bridge Inspection										
Bridge File Number	82010 W-2 Bridge					Form Type	CON			
Year Built/Year Supstr	2000/2000					Lot No.	2			
Bridge or Town Name	CALGARY					Inspector Name	Garry Roberts			
Located Over	2:15 L1 12.176;2:15 R1 12.077;RAMP 683-1 E					Inspector Class	BR CLS A			
Located On	22X:04 L1 5.098					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	01-Feb-2013			
Legal Land Location	NE SEC 29 TWP 22 RGE 29 W4M					Data Entry By	Erin Roberts			
Longitude, Latitude	-113:58:34, 50:54:00					Data Entry Date	28-Feb-2013			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey			
Contract Main. Area	DEERFOOT/STONE Y					Review Date	07-Feb-2013			
Clear Roadway/Skew	16.6 / -15 deg. (LHF)					Dept. Reviewer Name	Tim Davies			
AADT/Year	15,870 / 2011 (A)					Dept. Review Date	04-Mar-2013			
Road Classification	RAU-211.8-110					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:	CS750									----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)			UNDER: 2 L1 5.4m									
Posted Vertical Clearance (Y/N)			Yes									
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)	5.4	In Advance (Y/N)	No
Remarks		N/B posting on E/B bridge at 5.4m										
Required Load Posting (t)			Single			Semi			Truck Train			
Posted Loading (t)			Single			Semi			Truck Train			
Posted:	Lane	EB	At Junction (Y/N)			In Advance (Y/N)			At Bridge (Y/N)			
Posted:	Lane	WB	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		At East end.										
Other Sign Types		ROUTE, 80 KM/HR, 50 km/hr @ ramps										

Utilities (Located at)									
Utility Attachments	POWER UTILITIES-POWER LINE								
Telephone	In area.					Gas			
Power	Multiple lines around bridge.					Municipal	Manhole at NE.		
Others	Light standards.					Problem (Y/N)	No		
Remarks									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	SE ring road construction all around area.
Vertical Alignment		7	7	
Roadway Width (m)		16.000		
Approach Bump		7	7	
Guardrail (Y/N)		Yes		Wrong lap at South West & North West and not attached at NE parapet transition.
Guardrail		4	3	
Length (m)		99.000		Not thriebeam
Current Standard (Y/N)		No		
Termination Type		BULB		
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : CV, 2 Spans, Lengths(m): 40-40, A-Ident Number: )						
<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>	10.0	0.0	0.0	0.0		
Wearing Surface			7	7	PMA	
(Material Type : <b>ACP</b> )						
(Thickness(mm) : <b>50</b> )						
Deck Top			N	N	Paved over.	
Deck Rideability			8	7		
Deck Joints			4	4	Joints good	
Temperature (deg. C)		-9		Cover plates at West end missing 10 inserts for bolts-5 @ each side. Plates are secure.		
(Expansion Type : )						
(Fixed Type : )						
Gap Size (mm)		Gap Location				
70		E abut				
75		W abut				
Deck Drainage			7	7	No drains	
Drains Clogged (Y/N)		No				
Curbs/Median			7	7	Typ. vertical cracks.	
(Curb Type : <b>JERSEY/F SHAPE</b> )						
Scaling (Percent Area)		0				
Bridge Rail			8	8	50% corrosion on nuts & washers	
(Type : <b>STEEL BRIDGE TUBE</b> )						
Bridge Rail Posts			8	8		
(Type : <b>POST STEEL;POST STEEL</b> )						
Bridge Rail/Posts Coating			5	5		
(Type : <b>PAINT</b> )						
Sidewalk			X	X		
Girders			X	X	Slab	
Diaphragms/Cross Frame			X	X		
Bearings			8	8	At abutments. Integral at piers.	
Temperature (deg. C)		-9				
(Expansion Type : <b>POT BEARING</b> )						
(Fixed Type : )						
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				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CV, 2 Spans, Lengths(m): 40-40, A-Ident Number: )				
<b>Superstructure General Rating</b>		<b>8</b>	<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats		8	8	
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	Buried
Paint/Coating		5	5	
Abutment Stability		8	8	
Scour/Erosion		8	X	
<b>Piers/Bents</b>				
(Type : <b>PIER-SOLID</b> )				Integral
Bearing Seats/Caps		N	N	
(Type : <b>CONCRETE</b> )				
Pier Shaft/Piles		8	8	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	8	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		7	7	Curve at South ramp
Traffic Safety Features		8	7	
Type	CON MEDIAN			
Slope Protection		8	8	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability		7	7	
Drainage		7	7	
<b>Grade Separation General Rating</b>		<b>7</b>	<b>7</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2014	Install bolts at NE thriebeam transition.					
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT 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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>88.9/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>70.9/70.5</b>	Est. Repl. Yr	2066	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-Nov-2014		Previous Inspection Date	11-May-2011			
Inspection Cycle (Default) (months)	21						
Comment							