

Bridge Inspection									
Bridge File Number	82411 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	2010/2010				Lot No.	3			
Bridge or Town Name					Inspector Name	Garry Roberts			
Located Over	201:08 R1 19.269;201:08 L1 19.106				Inspector Class	BR CLS A			
Located On	HARVEST HILLS BLVD NW				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	24-Aug-2011			
Legal Land Location	SW SEC 34 TWP 25 RGE 1 W5M				Data Entry By	Alyssa Boynton			
Longitude, Latitude	-114:04:08, 51:10:23				Data Entry Date	12-Sep-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	DEERFOOT/STONE Y				Review Date	01-Sep-2011			
Clear Roadway/Skew	16.7 / -9 deg. (LHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year					Dept. Review Date	16-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)		UNDER: 201 L1 6.3m, 201 R1 5.6m											
Posted Vertical Clearance (Y/N)		Yes											
Posted:	Lane	WB	On Bridge (m)	5.4	In Advance (Y/N)	Yes	Lane	EB	On Bridge (m)	5.4	In Advance (Y/N)	Yes	
Remarks													
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 required											

Hazard Marker At Bridge (Y/N)	Yes												
Remarks	At North West jersey barrier.												
Other Sign Types													

Utilities (Located at)													
Utility Attachments													
Telephone					Gas								
Power	North Row.				Municipal								
Others	Light standards.				Problem (Y/N)	No							
Remarks													

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment			6	Controlled intersections both ends.
Vertical Alignment			6	
Roadway Width (m)				Recent patch at South West.
Approach Bump			7	
Guardrail (Y/N)	No			Concrete barriers. Cracked full height and width at North West and 2 spalled areas at South East. 18m at North East and South West.
Guardrail			4	
Length (m)	60.000			
Current Standard (Y/N)	Yes			
Termination Type	Sloped			
Drainage			4	Minor settlement at South West and cracking is lifting along wing walls.
<b>Approach Road General Rating</b>			<b>6</b>	

Superstructure					
Bridge Component	Last	Now	Explanation of Condition		
(Primary Span : <b>NU, 2 Spans, Lengths(m): 50-54, 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>					
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface				9	
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>90</b> )					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	Paved over.	
Deck Rideability			9		
Deck Joints			4	Missing 1 bolt at North median cover plate. At both abutments.	
Temperature (deg. C)	27				
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )					
(Fixed Type : )					
Gap Size (mm)	Gap Location				
70	South Abutment.				
60	North Abutment.				
Deck Drainage				7	
Drains Clogged (Y/N)	No				
Curbs/Median				9	
(Curb Type : <b>JERSEY/F SHAPE;Standard</b> )					
Scaling (Percent Area)	0				
Bridge Rail			9	Bridge rail on West parapet and pedestrian rail at East.	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			9		
(Type : <b>GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			8		
(Type : <b>GALVANIZED</b> )					
Sidewalk			4	Currently closed. 200mm wide strip of unfinished concrete at North end expansion joint. Grout pads are spalled at 3 ped rail posts.	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	0	0	0	0	
Girders				9	
Cracking (Y/N)	No			No visible cracking.	
Spalling (Percent Area)	0				
(Number Of Girders : <b>8</b> )					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>NU, 2 Spans, Lengths(m): 50-54, A-Ident Number: )</b>				
Diaphragms/Cross Frame			9	
Bearings			9	Integral at pier.
Temperature (deg. C)	27			
(Expansion Type : <b>REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL</b> )				
(Fixed Type : )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside			7	Isolated cracking with staining Sp2 - G2 - G3 and Sp1 - G1 - G2
Stains (Percent Area)				
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>			<b>7</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps			9	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls			9	Access hatch is open at A2 - work underway.
Wingwalls			8	Isolated narrow cracks.
Piles			N	Buried.
Paint/Coating			8	Pigmented sealer.
Abutment Stability			9	
Scour/Erosion			8	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps			9	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>0</b> )				
Pier Shaft/Piles			9	
Bracing/Struts/Sheathing			X	
Nose Plate			X	
Paint/Coating			8	Pigmented sealer.
(Colour Description : )				
(Colour Code : )				
Pier Stability			9	
Scour			8	
Debris (Y/N)	No			
<b>Substructure General Rating</b>			<b>9</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment			8	
Traffic Safety Features			X	
Type				
Slope Protection			8	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability			8	
Drainage			8	
<b>Grade Separation General Rating</b>			<b>8</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	2011	Pour strip at North sidewalk - install 1 median cover plate bolt.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION	2011	Repair South West erosion, replace caulking at concrete drains and wingwalls - 4 corners.					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2011	Repair parapet cracks and spalls at NW and SE.					
OTHER ACTION	2011	Install North abutment access hatch.					
OTHER ACTION	2011	Epoxy repair at sidewalk crack - 3 repair post grout pads.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>/75.9</b>	Est. Repl. Yr	2085	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			Previous Assistant's Name				
Next Inspection Date	24-May-2013		Previous Inspection Date				
Inspection Cycle (Default) (months)	21						
Comment							