

Bridge Inspection													
Bridge File Number	85016 -1 Bridge					Form Type	SG						
Year Built/Year Supstr	2011/2011					Lot No.	3						
Bridge or Town Name	142 STREET (RABBIT HILL ROAD) OVER HWY 216					Inspector Name	Wade Nanninga						
						Inspector Class	BR CLS A						
Located Over	216:06 L1 6.371;216:06 R1 6.353					Assistant Name							
Located On	LOCAL ROAD					Assistant Class							
Water Body Cl./Year						Inspection Date	26-Feb-2013						
Navigabil. Cl./Year						Data Entry By	Theresa Lacusta						
Legal Land Location	SW SEC 26 TWP 51 RGE 25 W4M					Data Entry Date	13-Mar-2013						
Longitude, Latitude	-113:35:01, 53:25:48					Reviewer Name	Eric Carcoux						
Road Authority	Alberta Transportation (AIT)					Review Date	11-Mar-2013						
Contract Main. Area	ANTHONY HENDAY DRIVE					Dept. Reviewer Name	Brent Herrick						
Clear Roadway/Skew	27.6 /					Dept. Review Date	20-Mar-2013						
AADT/Year	3,000 / 2013 (E)					Follow-Up By							
Road Classification													
Detour Length (km)	1												
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	WB	On Bridge (m)	5.5	In Advance (Y/N)	Yes	Lane	EB	On Bridge (m)	5.5	In Advance (Y/N)	Yes	
Remarks	5.4 Posted over EB exit lane and in advance.												
Required Load Posting (t)		Single			Semi			Truck Train					
Posted Loading (t)		Single			Semi			Truck Train					
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No					
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No					
Remarks	Not req'd												
Hazard Marker At Bridge (Y/N)		Yes											
Remarks													
Other Sign Types		Urban directional signs.											
Utilities (Located at)													
Utility Attachments													
Telephone						Gas							
Power	High tension crosses 300m North					Municipal							
Others	Lighting standards.					Problem (Y/N)	No						
Remarks													
Approach Road													
				Last	Now	Explanation of Condition							
Horizontal Alignment				7	7	Intersections N & S urban access. slight crest curve over bridge. EB exit lane, WB entry lane.							
Vertical Alignment				7	7								
Roadway Width (m)		26.000											
Approach Bump				9	9								
Guardrail (Y/N)		Yes				W-beam with thrie beam transition SW smallest, SE 37.1m, NW 39.9m, NE 26.2m. Minor bends to base of third steel post at SE rail.							
Guardrail				7	7								
Length (m)		6.700											
Current Standard (Y/N)		Yes											
Termination Type		Bulb End											
Drainage				9	9								
Approach Road General Rating				7	7								

Superstructure								
Bridge Component		Last	Now	Explanation of Condition				
(Primary Span : WG, 2 Spans, Lengths(m): 65.037-51.048, A-Ident Number:)								
Special Features								
Special Feature			X					
(Type :)								
Special Feature			X					
(Type :)								
Wearing Surface/Deck Top Detail Ratings								
	N (%)	1 (%)	2 (%)	3 (%)				
Last								
Now								
Wearing Surface			9	9				
(Material Type : ACP)								
(Thickness(mm) : 90)								
Deck Top			N	N				
Deck Rideability			9	9				
Deck Joints			9	3	Finger joint at abut 1, gland at abut 2. Rubber deflector @ SE loose allowing water to drain onto abut.			
Temperature (deg. C)		-5						
(Expansion Type : FINGER PLATES;ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))								
(Fixed Type :)								
Gap Size (mm)		Gap Location						
80		A1						
85		A2						
Deck Drainage			9	4				
Drains Clogged (Y/N)		No						
Curbs/Median			9	9				
(Curb Type : None)								
Scaling (Percent Area)								
Bridge Rail			9	9	Jersey only at W rail, topped with steel tube rail at E rail.			
(Type :)								
Bridge Rail Posts		X	9					
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)								
Bridge Rail/Posts Coating		X	9					
(Type : GALVANIZED)								
Sidewalk			9	9	W side only			
Girder/Beam								
Cover Plate			X	X				
Flange			9	9				
Web			9	9				
Stiffeners			9	9				
Splice			9	9				
Weld			9	9				
Diaphragms/Cross Frame			9	9				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 2 Spans, Lengths(m): 65.037-51.048, A-Ident Number:)				
Paint Condition		X	X	Weathering steel
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		9	9	Reinforced pad with stainless and teflon-Expansion type
Temperature (deg. C)				
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		9	7	Cracks (narrow) with efflorescence @ S abutment.
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		9	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		9	9	Concrete
(Type :)				
Backwalls/Breastwalls		9	9	
Wingwalls		9	7	Wide cracks with stains @ SE.
Piles		N	N	
Paint/Coating		9	9	
Abutment Stability		9	9	
Scour/Erosion		7	9	No vegetation growth yet.
Piers/Bents				
(Type : PIER-COLUMN)				6 columns concrete
Bearing Seats/Caps		9	9	
(Type :)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		N	N	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		9	9	tan
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	9	
Scour		X	X	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		9	9	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		9	9	
Traffic Safety Features		9	9	Under bridge lighting and median light standards.
Type	Lighting			
Slope Protection		9	9	
(Type : CONCRETE; CONCRETE)				
Bank Stability		9	9	
Drainage		9	9	
Grade Separation General Rating		9	9	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2013	Re-attach rubber deflector @ SE.					
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
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) (%)	100.0/88.9	Sufficiency Rating (Last/Now) (%)	82.9/77.1	Est. Repl. Yr	2076	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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	26-Nov-2014		Previous Inspection Date	01-Dec-2011			
Inspection Cycle (Default) (months)	21						
Comment							