

Bridge Inspection											
Bridge File Number	84556 -1 Bridge					Form Type	PSR				
Year Built/Year Supstr	2012/2012					Lot No.	4				
Bridge or Town Name						Inspector Name	Garry Roberts				
Located Over	2:12 R1 3.252;2:12 L1 3.244					Inspector Class	BR CLS A				
Located On	LOCAL ROAD					Assistant Name					
Water Body Cl./Year						Assistant Class					
Navigabil. Cl./Year						Inspection Date	19-Dec-2012				
Legal Land Location	SW SEC 16 TWP 19 RGE 28 W4M					Data Entry By	Lauren Korte				
Longitude, Latitude	-113:49:44, 50:36:04					Data Entry Date	11-Jan-2013				
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey				
Contract Main. Area	CMA27					Review Date	02-Jan-2013				
Clear Roadway/Skew	14.9 / 13 deg. (RHF)					Dept. Reviewer Name	Tim Davies				
AADT/Year						Dept. Review Date	22-Jan-2013				
Road Classification	RAU-213.4-120					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	SB	On Bridge (m)	5.4	In Advance (Y/N)	Yes	Lane	NB	On Bridge (m)	5.4	In Advance (Y/N)	Yes
Remarks		N/B sign is off of driving lanes.										
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)	No											
Remarks		Not required.										
Other Sign Types												

Utilities (Located at)													
Utility Attachments													
Telephone	In area.					Gas							
Power	Underground in area.					Municipal							
Others	Light standards.					Problem (Y/N)		No					
Remarks													

Approach Road												
			Last	Now	Explanation of Condition							
Horizontal Alignment				7	Controlled intersections both ends. On crest.							
Vertical Alignment				6								
Roadway Width (m)		14.900										
Approach Bump				8								
Guardrail (Y/N)		Yes			Presently under construction with various missing and loose bolts all corners at transitions. 39m at NW and SE. 55m at NE and SW.							
Guardrail				4								
Length (m)		39.000										
Current Standard (Y/N)		Yes										
Termination Type		Attenuator										
Drainage				8								
Approach Road General Rating				6								

Superstructure				
Bridge Component	Last	Now	Explanation of Condition	
(Primary Span : NU, 2 Spans, Lengths(m): 44-51, 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	10.0	0.0	0.0	0.0
Wearing Surface			9	Waterproof membrane system.
(Material Type : Latex Modified Asphalt)				
(Thickness(mm) : 90)				
Lateral Connection Problem (Y/N)	No			
Deck Top			N	Paved over.
Deck Rideability			9	
Deck Joints			X	Sealed sawcuts. Sealant is debonded at East approach slab.
Temperature (deg. C)				
(Expansion Type :)				
(Fixed Type :)				
Gap Size (mm)	Gap Location			
Deck Drainage			5	Stained at SW and NW deck underside.
Drains Clogged (Y/N)	No			
Curbs/Median			9	
(Curb Type : Standard)				
Scaling (Percent Area)	0			
Bridge Rail			4	PL 2 rail system. Missing 1 rail to sost bolt at SW. Isolated field touch-ups.
(Type : GALVANIZED STEEL BRIDGE TUBE)				
Bridge Rail Posts			9	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)				
Bridge Rail/Posts Coating			8	
(Type : GALVANIZED)				
Sidewalk			X	
Girder Detail Ratings				
	N (count)	1 (count)	2 (count)	3 (count)
Last				
Now	0	0	0	0
Girders			9	5 continuous lines of 2000mm NU girders.
Cracking (Y/N)	No			
Spalling (Percent Area)	0			
(Number Of Girders : 5)				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 2 Spans, Lengths(m): 44-51, A-Ident Number:)				
Diaphragms/Cross Frame			9	
Bearings			9	Fixed at pier.
Temperature (deg. C)	-17			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : POT BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside			9	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating			9	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps			9	
(Type : CONCRETE)				
Backwalls/Breastwalls			7	Construction joint with wingwalls under construction.
Wingwalls			9	
Piles			N	Buried.
Paint/Coating			9	Pigmented Sealer.
Abutment Stability			9	
Scour/Erosion			X	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps			9	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				Piles are buried.
Pier Shaft/Piles			9	
Bracing/Struts/Sheathing			X	
Nose Plate			X	
Paint/Coating			7	Pigmented sealer.
(Colour Description :)				
(Colour Code :)				
Pier Stability			9	
Scour			X	
Debris (Y/N)	No			
Substructure General Rating			9	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment			7	Curves both sides.
Traffic Safety Features			7	Temporary concrete barriers at East side of pier.
Type	Barriers			
Slope Protection			5	Concrete slope protection presently under construction.
(Type :)				
Bank Stability			5	Adjacent slopes not yet sealed.
Drainage			7	
Grade Separation General Rating			5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Complete installation of bolts- tighten others.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2013	Reseal East approach saw- cut.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Complete concrete slope protection.					
OTHER ACTION	2013	Relocate N/B vertical Cl. sign over driving lanes.					
OTHER ACTION	2013	Extend weep drains.					
OTHER ACTION	2013	Install bridge plaques at NE and SE wingwalls.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	/100.0	Sufficiency Rating (Last/Now) (%)	/77.2	Est. Repl. Yr	2085	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	All maintenance items are under construction or currently scheduled for completion in Spring 2013 at time of inspection. G.Roberts Dec 19/2012.		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	19-Sep-2014		Previous Inspection Date				
Inspection Cycle (Default) (months)	21						
Comment							