

Bridge Inspection											
Bridge File Number	73640 -1 Bridge					Form Type	CON				
Year Built/Year Supstr	1951/1951					Lot No.	4				
Bridge or Town Name	ALIX					Inspector Name	Owen Salava				
Located Over	CPR					Inspector Class	BR CLS A				
Located On	12:12 C1 8.552					Assistant Name					
Water Body Cl./Year						Assistant Class					
Navigabil. Cl./Year						Inspection Date	30-Aug-2012				
Legal Land Location	NE SEC 3 TWP 40 RGE 23 W4M					Data Entry By	Marcia Chavez				
Longitude, Latitude	-113:13:19, 52:24:54					Data Entry Date	18-Sep-2012				
Road Authority	Alberta Transportation (AIT)					Reviewer Name	John O'Brien				
Contract Main. Area	CMA20					Review Date	06-Sep-2012				
Clear Roadway/Skew	13.4 / 45 deg. (RHF)					Dept. Reviewer Name	Andrew Smikles				
AADT/Year	1,750 / 2011 (A)					Dept. Review Date	18-Sep-2012				
Road Classification	RAU-211.8-110					Follow-Up By					
Detour Length (km)	6										
Allowable Load (t):	Single	CS1 31 DECK			Semi	CS2 55 DECK		Train	CS3 79 DECK		----> On Critical Spans ---->Critical Member
Design Loading:	HS20					----> Primary Span					

Posting Information											
Required Vert. Clearance Posting (m)											
Posted Vertical Clearance (Y/N)					No						
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)		Lane	SB	On Bridge (m)		In Advance (Y/N)
Remarks		Not required.									
Required Load Posting (t)					Single		Semi		Truck Train		
Posted Loading (t)					Single		Semi		Truck Train		
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No			
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)					No						
Remarks		Not required.									
Other Sign Types					Slippery When Wet.						

Utilities (Located at)											
Utility Attachments											
Telephone	1 line O/H, 20m North of c/l.					Gas					
Power						Municipal					
Others						Problem (Y/N)	No				
Remarks											

Approach Road											
					Last	Now	Explanation of Condition				
Horizontal Alignment					5	5	Curve at both ends with intersection to road allowance North at East end. No passing both directions. Vertical curve at East end. Slight bump at patches.				
Vertical Alignment					5	5					
Roadway Width (m)					12.800		Approach slabs are concrete to grade.				
Approach Bump					5	5					
Guardrail (Y/N)					Yes		NE transition end damaged, minor.				
Guardrail					4	6					
Length (m)					99.000						
Current Standard (Y/N)					No						
Termination Type					TURNED DOWN						
Drainage					7	7	Concrete troughs installed @ all corners.				
Approach Road General Rating					5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>CS, 5 Spans, Lengths(m): 7.9-7.9-7.9-7.9-7.9, 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>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			7	7	
(Material Type : <b>CONCRETE - CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : <b>50</b> )					
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			4	5	
Temperature (deg. C)		21		Mastic retrofit joints @ P1 & P3. P4 joint filled in with chipseal.	
(Expansion Type : )					
(Fixed Type : <b>ASPHALTIC FIBRE BOARD</b> )					
Gap Size (mm)		Gap Location			
Deck Drainage			6	6	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		15		Grader damage, light scaling along inside curb faces. Light scaling along top surface on only South curb. Curb spalled at W end of spans. Fascia spall at same location. Spall/damage S4, S web - sealed.	
Bridge Rail			8	7	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			4	4	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girders			X	X	
Diaphragms/Cross Frame			X	X	
Bearings			X	X	
Temperature (deg. C)		21			
(Expansion Type : )					
(Fixed Type : )					
Coating Adequate (Y/N)					
Functioning (Y/N)					
Deck Underside			6	6	
Stains (Percent Area)		2		New deck cast North half, original deck South half. Corrosion stains and efflorescence at center span. (original)	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CS, 5 Spans, Lengths(m): 7.9-7.9-7.9-7.9-7.9, A-Ident Number: )				
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>6</b>	<b>6</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats		7	7	
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		N	N	
Paint/Coating		5	5	Pigmented sealer.
Abutment Stability		7	7	
Scour/Erosion		X	X	
<b>Piers/Bents</b>				
(Type : PIER-COLUMN)				Ends cracked.
Bearing Seats/Caps		3	6	S end P3 also stained.
(Type : CONCRETE)				Patch at N end P1 has cracked; efflorescence staining.
Pier Shaft/Piles		6	6	
Nose Plate		X	X	
Paint/Coating		6	6	Pigmented sealer.
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>3</b>	<b>6</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		7	7	Curve - 500 m NW.
Traffic Safety Features		X	X	
Type				
Slope Protection		7	7	Galvanized steel. Retaining wall.
(Type : NONE; NONE)				Both hslps bin walls.
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							
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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>50.0/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>65.3/71.1</b>	Est. Repl. Yr	2024	Maint. Req. (Y/N)	No
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	30-May-2014	Previous Inspection Date	26-Aug-2010				
Inspection Cycle (Default) (months)	21						
Comment							