

Bridge Inspection							
Bridge File Number	08303 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1960/1960			Lot No.	2		
Bridge or Town Name	ROSEVEAR			Inspector Name	Wade Nanninga		
Located Over	TRIBUTARY TO MCLEOD RIVER, 8.11.107.23, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	748:04 C1 19.980			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	16-Apr-2013		
Legal Land Location	NW SEC 28 TWP 54 RGE 15 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-116:09:36, 53:42:01			Data Entry Date	23-Apr-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA12			Review Date	21-Apr-2013		
Clear Roadway/Skew	9.1 /			Dept. Reviewer Name	Brent Herrick		
AADT/Year	1,320 / 2012 (A)			Dept. Review Date	23-Apr-2013		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	20						
Allowable Load (t):	Single	CS1 35 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 66 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> Primary Span

Posting Information							
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)	Yes						
Remarks							
Other Sign Types	Trout Creek, both directions.						

Utilities (Located at)			
Utility Attachments			
Telephone			Gas
Power	3 wires 15m North		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Entrances East & West. In sag curve with limited sight distance both directions. No passing.
Vertical Alignment		7	7	
Roadway Width (m)	9.200			Wide cracks with ravelling ACP at approaches.-photo
Approach Bump		4	4	
Guardrail (Y/N)	Yes			No thrie beam/fleat Improper lap @ NW.-photo
Guardrail		4	4	
Length (m)	30.400			
Current Standard (Y/N)	No			
Termination Type	Turned Down			
Drainage		4	4	Gully at NW corner @ top of headslope. Buildup under approach railing impedes drainage.
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PO, 3 Spans, Lengths(m): 18.3-18.3-18.3, A-Ident Number:)					
Special Features					
Special Feature		7	7		
(SType : EXT SHEAR STIRRUP)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	5.0				
Wearing Surface		6	5	8mm MMA polymer overlay.	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)		Random medium cracks, overlay wearing thin in wheelpaths.			
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N		
Deck Rideability		7	7		
Deck Joints		7	6	Fixed at abutments.	
Temperature (deg. C)	-5				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type : BUFFER ANGLES)					
Gap Size (mm)		Gap Location			
		E. abut			
65			E. pier		
55			W. pier		
		W. abut			
Deck Drainage		4	4	Drain spouts have scaling rust. Drainage from deck is eroding NW headslope.	
Drains Clogged (Y/N)	No				
Curbs/Median		3	5	Curb height 200mm. Curb broken at rail post SE corner and S side at tops of curbs have med. scaling.	
(Curb Type : Standard)					
Scaling (Percent Area)	20				
Bridge Rail		3	4	Double layer flexbeam on round, steel posts. Missing 4 splice bolts @ each post. 1 nut not bearing since @ end of thread, few anchor bolts with insufficient thread. Curb broken at post at pier 2.	
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts		3	3	Flexbeam rusted through at numerous locations.-photo	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		4	4		
(Type : GALVANIZED)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					Hairline cracking extends into narrow web of 50% girders. Poor casting.
Now					
Girders		6	4	Typical PO cracks / chips at shoe plate. SP2G5 with spall in top flange and wide wide crack. SP1G1 wide horizontal crack along top flange 0.3m long.	
Cracking (Y/N)	Yes				
Spalling (Percent Area)	0				
(Number Of Girders : 15)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 3 Spans, Lengths(m): 18.3-18.3-18.3, A-Ident Number:)				
Diaphragms/Cross Frame		6	5	Pitting rust at ABT joints.
Bearings		5	5	Very rusty.
Temperature (deg. C)	-5			
(Expansion Type : SLIDING PLATE)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	No			
Functioning (Y/N)	Yes			
Deck Underside		5	4	Light scaling within 600 mm of joints and under curbs.- Exposed rebar. Form nails protruding from deck.
Stains (Percent Area)	2			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		5	5	Medium scaling.
(Type : CONCRETE)				
Backwalls/Breastwalls		5	5	Medium scaling.
Wingwalls		4	4	Top of wingwalls have med scaling. Sealed.
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		4	4	0.5 x 0.3m (wxd) erosion gully on NW headslope.
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		4	5	Numerous patches, medium scaling. Numerous random wide cracks and debanded areas on sides of pier.
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		6	6	
Bracing/Struts/Sheathing		X	X	
Nose Plate		5	5	Nose has superficial rust. Scaling rust.
Paint/Coating		4	4	Scaling rust on nose piers.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		4	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	In channel and around base of piers.
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2013	Partial depth repair req, pier 2 bridge post.					
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	2013	Patch ACP at approaches.					
OTHER ACTION	2013	Replace bridgerail.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	57.7/57.2	Est. Repl. Yr	2023	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor spalling over pier 2 and girder crack.		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	Arnold Assenheimer		Previous Assistant's Name	Kris Bosters			
Next Inspection Date	16-Jul-2016		Previous Inspection Date	20-Nov-2009			
Inspection Cycle (Default) (months)	39						
Comment							