

Bridge Inspection							
Bridge File Number	13149 -1 Bridge			Form Type	CON		
Year Built/Year Supstr	1957/1957			Lot No.	4		
Bridge or Town Name	MILLARVILLE			Inspector Name	Garry Roberts		
Located Over	THREEPOINT CREEK, 2.13.27.2.9, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	22:12 C1 32.540			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	17-Jun-2012		
Legal Land Location	SE SEC 3 TWP 21 RGE 3 W5M			Data Entry By	Erin Roberts		
Longitude, Latitude	-114:19:36, 50:44:53			Data Entry Date	16-Jul-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Joel Wozney		
Contract Main. Area	CMA27			Review Date	27-Jun-2012		
Clear Roadway/Skew	9.1 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	3,060 / 2011 (A)			Dept. Review Date	17-Jul-2012		
Road Classification	RAU-213.4-120			Follow-Up By			
Detour Length (km)	50						
Allowable Load (t):	Single	CS1 36 GIRDER	Semi	CS2 56 GIRDER	Train	CS3 81 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	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N) No
Posted:	Lane	SB	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	Curve.

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE; TELEPHONE UTILITIES-Telus cable on west fascia Feb 2006.		
Telephone	Conduit attached under West curb. Two Telus cables on West curb.	Gas	
Power	3 wire West side 30m from c/l.	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Curves both ends
Vertical Alignment		7	7	
Roadway Width (m)	12.000			
Approach Bump		6	6	
Guardrail (Y/N)	Yes			Wrong lap at NW and SE
Guardrail		4	4	Not thriebeam
Length (m)	53.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS			
Drainage		4	5	10 x 10 x 1m erosion hole at NW. Rock has been placed at approach drains and currently stable.
Approach Road General Rating		6	6	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : CT, 3 Spans, Lengths(m): 12.8-18.3-12.8, A-Ident Number:)						
Special Features						
Special Feature			7			
(SType : EXT SHEAR STIRRUP)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0	0		
Now	0.0	0.0	0.0	0.0		
Wearing Surface			7	7		
(Material Type : CONCRETE)						
(Thickness(mm) : 50)						
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			8	8		
Temperature (deg. C)		12				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
65	North					
65	South					
Deck Drainage			6	6	No drains on bridge, just @ approaches.	
Drains Clogged (Y/N)		No				
Curbs/Median			6	6	Curbs repaired.	
(Curb Type : Standard)						
Scaling (Percent Area)		2				
Bridge Rail			7	7	Superficial corrosion @ 20%.	
(Type : BRIDGE TUBE)						
Bridge Rail Posts			7	7		
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating			5	5		
(Type : PAINT)						
Sidewalk			X	X		
Girders			5	5	Vertical cracks in girder over pier bearings can be followed from side to side. Up to 3mm wide. South is worse than North. Narrow shear cracks @ girder in area with external stirrups.	
Diaphragms/Cross Frame			7	7		
Bearings			7	7	Rocker at P2.	
Temperature (deg. C)		12				
(Expansion Type : ROCKER BEARING)						
(Fixed Type : PINNED BEARING)						
Coating Adequate (Y/N)		Yes				
Functioning (Y/N)		Yes				
Deck Underside			6	6	Cracks with leaching @ deck exterior	
Stains (Percent Area)		2				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CT, 3 Spans, Lengths(m): 12.8-18.3-12.8, A-Ident Number:)				
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		7	7	
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	Buried
Paint/Coating		X	X	
Abutment Stability		8	8	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-SOLID)				Vertical crack 1 mm wide @ South pier.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Pier Shaft/Piles		7	7	
Nose Plate		7	7	
Paint/Coating		4	4	Nose plates corroded with some pitting 75%.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		5	5	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		5	5	
Bank Stability		5	5	Steep cut banks u/s & d/s
HWM (m below Top of Curb)	2.5			No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	Class III @ South bank.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/66.7	Sufficiency Rating (Last/Now) (%)	59.4/56.4	Est. Repl. Yr	2035	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	17-Mar-2014		Previous Inspection Date	06-Oct-2010			
Inspection Cycle (Default) (months)	21						
Comment							