

Bridge Inspection							
Bridge File Number	75539 -1 Bridge			Form Type	SG		
Year Built/Year Supstr	1963/1963			Lot No.	2		
Bridge or Town Name	HIGH LEVEL			Inspector Name	Brian Pientsch		
Located Over	PONTON RIVER, 8.10.23.1, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	58:08 C1 44.781			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	12-Jan-2012		
Legal Land Location	SE SEC 1 TWP 110 RGE 15 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-116:21:26, 58:30:53			Data Entry Date	07-Feb-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Arnold Assenheimer		
Contract Main. Area	CMA01			Review Date	06-Feb-2012		
Clear Roadway/Skew	7.9 / -20 deg. (LHF)			Dept. Reviewer Name	David Morrison		
AADT/Year	1,330 / 2011 (A)			Dept. Review Date	05-Apr-2012		
Road Classification	RAU-209-110			Follow-Up By			
Detour Length (km)	13						
Allowable Load (t):	Single	CS1 54 GIRDER	Semi	CS2 60 GIRDER	Train	CS3 69 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	All 4 corners - springloaded & mounted on approach posts, not to STD height.							
Other Sign Types	Narrow Bridge, steep Hill, Ponton River							

Utilities (Located at)			
Utility Attachments			
Telephone	S. r/w-conduit S. side of brg		Gas
Power	Crosses hwy at east abut-1 line		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Approach on both sides of road, E. end. Bottom of sag curve - no passing.
Vertical Alignment		5	5	
Roadway Width (m)	9.600			Dents & creases, 135 degree post bracket post at SW corner split. 1 splice bolt missing SW corner. Pulled away from post at SW corner, still functional.-03-Jun-2010 Snow covered Accident damage SW corner.-photo
Approach Bump		4	5	
Guardrail (Y/N)	Yes			
Guardrail		4	3	
Length (m)	15.200			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS			
Drainage		7	N	Hole with void 500mm deep @ SE abut. approach.-03-Jun-2010 Snow covered.
Approach Road General Rating		5	5	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : RB, 3 Spans, Lengths(m): 20.4-25.6-20.4, A-Ident Number: A0440-01)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	5					
Now	5.0	0.0	0.0	0.0		
Wearing Surface			6	6		
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Deck Top			X	N		
Deck Rideability			8	8		
Deck Joints			4	4	Missing 1 deck joint snowplow blade protector plate.on East abut. joint.	
Temperature (deg. C)		-12				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
90		W. Abut				
100		E. abut				
Deck Drainage			5	5		
Drains Clogged (Y/N)		No				
Curbs/Median			4	4	Surface popouts on curb tops. Transverse cracks in curbs. Spaced about one metre apart.-03-Jun-2010 Snow covered. Curb fascia spalling.	
(Curb Type : Standard)						
Scaling (Percent Area)		60				
Bridge Rail			5	5	NW and SW rail panel has minor collision damage. Small dent, still functional.	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			4	6		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	7		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate			3	7	Center span has a slight sag.(25mm)	
Flange			7	7		
Web			7	7		
Stiffeners			X	X		
Splice			7	7		
Weld			3	7		
Diaphragms/Cross Frame			5	5		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 3 Spans, Lengths(m): 20.4-25.6-20.4, A-Ident Number: A0440-01)				
Paint Condition		4	4	Flanges and cover plate welds flaked and rusting - photo.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		5	6	
Temperature (deg. C)	-12			
(Expansion Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN;ROCKER BEARING)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		4	4	Wide 5m long delam crack on the NE side of span 1 -photo. 500 x 500 x 150mm spall exposing rebar at the SE corner - photo.
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		3	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		6	5	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		5	5	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				2 wide cracks in each pier
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		6	6	
Bracing/Struts/Sheathing		X	X	
Nose Plate		6	6	
Paint/Coating		4	X	Rusting
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	Yes			Drift debris accumulation on E. pier.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Bends u/s. Cutbanks u/s & d/s bends.
(D/S Direction : S)				
Alignment		6	6	
Bank Stability		6	6	
HWM (m below Top of Curb)				Hwm not visible.
Drift (Y/N) Yes				
Slope Protection (Type : RIP RAP; CONCRETE)		4	6	Concrete slope protection on east headslope- riprap on west.
Guidebank/Spurs		7	7	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Repair accident damage SW corner.					
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Weld on missing deck joint protection plate.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/55.6	Sufficiency Rating (Last/Now) (%)	50.2/55.2	Est. Repl. Yr	2035	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor deck underside and curb spalling.		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	Randy Bredo		Previous Assistant's Name	Bryce Clayton			
Next Inspection Date	12-Oct-2013		Previous Inspection Date	04-Jun-2010			
Inspection Cycle (Default) (months)	21						

Comment	
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