

Bridge Inspection									
Bridge File Number	00135 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1967/1967				Lot No.	2			
Bridge or Town Name	STAND OFF				Inspector Name	Jason Rusu			
Located Over	BELLY RIVER, 2.12.22, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	2:06 C1 0.000				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	09-Oct-2011			
Legal Land Location	NE SEC 16 TWP 6 RGE 25 W4M				Data Entry By	Alyssa Boynton			
Longitude, Latitude	-113:18:05, 49:28:43				Data Entry Date	17-Nov-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA26				Review Date	09-Nov-2011			
Clear Roadway/Skew	10.7 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	1,520 / 2010 (A)				Dept. Review Date	21-Nov-2011			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	15								
Allowable Load (t):	Single	CS1 41 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 63 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 req.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Roadway wider than bridge and on curve.								
Other Sign Types	RIVER ID AND CURVE,								
Utilities (Located at)									
Utility Attachments									
Telephone	CONDUIT ALONG W GIRDER.				Gas				
Power	2 W 30 m WEST and crossing road 200m N				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	500 m SIGHT DISTANCE FROM SOUTH.				
Vertical Alignment			6	6	In curve				
Roadway Width (m)	11.400				Not thriebeam				
Approach Bump			5	5					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	80.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			4	4	GAP @ SE & NE APPROACH CURB & ACP. ALLOWS DRAINAGE BETWN CURB & APP. SLAB				
<b>Approach Road General Rating</b>			<b>5</b>	<b>5</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FC, 3 Spans, Lengths(m): 25.9-25.9-25.9, A-Ident Number: )					
<b>Special Features</b>					
Special Feature		8	8	2 lines/span	
(Type : <b>UNDERSLUNG DIAPHR</b> )					
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		6	4	Chipcoat on ACP 60mm total thickness. Random cracks most over piers. 2 voids at P1 West side. ( 300mmx300x100) 1 void 3m x150x50 at North span west side.	
(Material Type : <b>ACP - CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : <b>60</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top		N	N		
Deck Rideability		7	7		
Deck Joints		7	7	Gravel filled.	
Temperature (deg. C)		10			
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
77		SA			
78		SP			
79		NP			
80		NA			
Deck Drainage		7	7	Has retro drains @ W	
Drains Clogged (Y/N)		Yes			
Curbs/Median		6	6		
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		1			
Bridge Rail		4	4	1 BENT PANEL N SPAN - MINOR. 1 BOLT MISSING @ 4TH PANEL FROM NE.  8 A/B nuts not fully engaged. 5 A/B nuts not fully tightened. 2 missing A/B nuts at Sp.1 west side.	
(Type : <b>GALVANIZED STEEL VERTICAL BAR</b> )					
Bridge Rail Posts		3	3		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating		6	6		
(Type : <b>GALVANIZED</b> )					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders		4	4	Typ. FC cracks AT CHAMFER @ LONGIT. @ WEB-minor VERTICAL CRACK @ Sp.1-G1 and Sp.1-G7. Sp.1-G1 crack is wide. Minor leg chip at Sp.2-G2.	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : <b>21</b> )					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 3 Spans, Lengths(m): 25.9-25.9-25.9, A-Ident Number: )				
Diaphragms/Cross Frame		6	6	
Bearings		5	5	Pads & plates deformed @ both abuts but functional
Temperature (deg. C)	10			Painted with galvacon. Some minor corrosion & grout cracks @ N abut. Grout cracks at South abut NW bearings need touch up.
(Expansion Type : <b>NEOPRENE STRIP BEARING</b> )				
(Fixed Type : )				
Coating Adequate (Y/N)	No			
Functioning (Y/N)	Yes			
Deck Underside		6	6	3 UNITS HAVE A RUST GRID PATTERN
Stains (Percent Area)	5			This could also be from rust marks on form @ the precast plant
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>4</b>	<b>4</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		6	6	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		6	6	
<b>Piers/Bents</b>				
(Type : <b>PIER-SOLID</b> )				400 long Delamination @ S pier on N side and North Pier @ N side - corrosion stained at N pier
Bearing Seats/Caps		4	4	
(Type : <b>CONCRETE</b> )				VERTICAL WIDE CRACKS EACH PIER.
(Total Number of Bearing Piles : <b>0:0</b> )				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		6	6	
Paint/Coating		4	4	SCALING RUST ON NOSE PLATE.
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		N	5	
Debris (Y/N)	Yes			Drift at both piers.
<b>Substructure General Rating</b>		<b>4</b>	<b>4</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		6	6	
Bank Stability		5	5	CUTBANKS u/s & d/s
HWM (m below Top of Curb)	5.0			Drift at piers.
Drift (Y/N)	Yes			Both piers.
Slope Protection		6	6	
(Type : <b>CONCRETE; CONCRETE</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>6</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	REPLACE 1 rail bolt and 2-1" A/B nuts. Tighten 5 other A/B nuts.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK	2012	Seal gaps at approach slab and curb interface.					
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING	2012	Clean Deck.					
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2011	Both piers					
OTHER ACTION	2011	INSTALL HAZARD BOARDS.					
OTHER ACTION	2012	Repair Sp.1-G1 vertical crack.					
OTHER ACTION	2012	Repair Delam Cracks @ piers - 1m3 NH					
OTHER ACTION	2012	Repair large crack at S2G2					
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>44.4/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>50.4/48.8</b>	Est. Repl. Yr	2030	Maint. Req. (Y/N)	Yes
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	09-Jul-2013		Previous Inspection Date	21-Jan-2010			
Inspection Cycle (Default) (months)	21						
Comment							