

Bridge Inspection										
Bridge File Number	72007 W-1 Bridge				Form Type	SG				
Year Built/Year Supstr	1954/1954				Lot No.	2				
Bridge or Town Name	NITON JUNCTI				Inspector Name	Shane Hall				
Located Over	LOBSTICK RIVER, 8.11.84.51, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	16:08 L1 14.627				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	12-Aug-2012				
Legal Land Location	SE SEC 31 TWP 53 RGE 12 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-115:45:01, 53:37:04				Data Entry Date	10-Sep-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA12				Review Date	30-Aug-2012				
Clear Roadway/Skew	12.5 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year	6,840 / 2011 (A)				Dept. Review Date	18-Sep-2012				
Road Classification	RAD-412.4-120				Follow-Up By					
Detour Length (km)	1									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member
Design Loading:	MS230								----> 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)		In Advance (Y/N)		At Bridge (Y/N)		
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	East side only.								
Other Sign Types	Information, "Lobstick River".								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	In median, South r/w.				Gas				
Power	3 wires North.				Municipal				
Others	AB supernet fibre optic, South r/w.				Problem (Y/N)		No		
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	East side only. Not thrie beam transition.				
Vertical Alignment			7	7					
Roadway Width (m)		11.400							
Approach Bump			6	6					
Guardrail (Y/N)		Yes							
Guardrail			6	6					
Length (m)		64.000							
Current Standard (Y/N)		No							
Termination Type		Turned Down							
Drainage			5	5					
Approach Road General Rating			7	7					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : WG, 3 Spans, Lengths(m): 12.2-18.6-12.2, A-Ident Number: A0873-01)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last						
Now						
Wearing Surface			4	4	Chipseal on epoxy wearing surface on concrete. Random area of lost seal coat - 5%.	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Deck Top			N	N		
Deck Rideability			6	6		
Deck Joints			7	7		
Temperature (deg. C)		20				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
65		East				
65		West				
Deck Drainage			5	5	Birdbath along North gutter , outside wheelpath.- photo. (14-Sep-2010)	
Drains Clogged (Y/N)		No				
Curbs/Median			4	4	Vertical narrow cracks every 500 mm on outside and inside with water stains. Spalled curb inside face North over pier 1. Several other delams/spalls along inside face of N curb. Curb exterior spalled under post @ 4th & 12th post from SW - photo. Deterioration along curb bottom 10%-photo- exposing watershed. Spall in top of S curb with exposed waterstop.-photo	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			7	7	Numerous locations post grout pad delam - photo. Spall at exterior under 4th & 12th post from SW.	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			4	4		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	7		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate			X	X		
Flange			7	7		
Web			7	7		
Stiffeners			7	7		
Splice			7	7		
Weld			7	7		
Diaphragms/Cross Frame			7	7		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 3 Spans, Lengths(m): 12.2-18.6-12.2, A-Ident Number: A0873-01)				
Paint Condition		5	5	Weathering steel.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		7	4	A1G6 -Bearing pad cracked from over extension of bolts.-photo A1G2,G5 & G6 Bearings fully extended and anchor bolts bent.-photo Appears 3/6 bearings at P1 have bent anchor bolts - as viewed from headslope.
Temperature (deg. C)	20			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		4	4	Scaling and delamination @ NE abutment seat, .4m2 x 50mm deep - photo. Wide delam crack @ N end of East abutment seat.-photo
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		5	5	
Piles		N	N	
Paint/Coating		5	4	40% of sealer worn off.
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 1:1)				
Pier Shaft/Piles		6	6	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		5	5	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		4	4	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	6.0			HWM approx.-grasses on shrubs-photo-14-Sep-2010
Drift (Y/N)	Yes			
Slope Protection		7	7	
(Type : NATURAL; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

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	2013	Patch curb spalls, patch curb crack/spall under posts.					
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS	2013	Reset bearings					
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION	2013	Patch NE abutment seat delam spall.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/44.4	Sufficiency Rating (Last/Now) (%)	65.8/57.3	Est. Repl. Yr	2040	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	Eric Caroux		Previous Assistant's Name				
Next Inspection Date	12-May-2014		Previous Inspection Date	14-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							