

Bridge Inspection											
Bridge File Number	09836 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1974/1974				Lot No.	2					
Bridge or Town Name	WESTLOCK				Inspector Name	Eric Carcoux					
Located Over	2ND ORDER TRIBUTARY TO WABASH CREEK, 8.11.84.17.4.2, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	18:10 C1 40.929				Assistant Name	Brian Cote					
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	26-Aug-2011					
Legal Land Location	SW SEC 2 TWP 60 RGE 26 W4M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-113:47:54, 54:09:08				Data Entry Date	27-Sep-2011					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer					
Contract Main. Area	CMA10				Review Date	26-Sep-2011					
Clear Roadway/Skew	13.7 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	5,620 / 2010 (A)				Dept. Review Date	28-Sep-2011					
Road Classification	RAU-213.4-120				Follow-Up By						
Detour Length (km)	6										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	HS25									----> 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)	No								
Remarks									
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	3 wire o/h r/w.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Farm entrances to West. Local road intersection 100m West.				
Vertical Alignment			8	8					
Roadway Width (m)	13.400				Not thrie beam.				
Approach Bump			8	8					
Guardrail (Y/N)	Yes								
Guardrail			6	6					
Length (m)	23.200								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VH, 1 Spans, Lengths(m): 6.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now					
Wearing Surface			6	6	Connection likely failed, water running through to girders. Rust staining between units.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Covered with asphalt.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			N	6	Minor plough damage.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Double layer.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	Unable to access underside , could only view from South end.
Last					
Now	16	0	0	0	
Girders			4	N	2 girders have a hole in the leg from manufacturer (honeycomb). Water leaks between units. G2, G9, G10 have spalling in 1 leg in anchor zone. G1, G5-G8, G15, G16 cracked 1 leg in anchor zone.- 17-Dec-2009
Last Complete Inspection Date		17-Dec-2009			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 16)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	4	GR carried fwd from 17-Dec-2009

Substructure									
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
(Extended Backwall Piles (Y/N) : Y)									
(Extended Backwall Piles Spacing(mm) : 1500)									
(Total Number of Caps/Corbels : 3:3)				Viewed from South, looks good. Sub-cap 300 x 300.					
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
Last									
Now	6	0	0				0		
Bearing Seats/Caps/Corbels							6	N	
(Type : TREATED TIMBER)									
(Depth(mm) : 350)									
(Width(mm) : 305)									
Backwalls/Breastwalls			6				6		
Greatest Height (m)		2.10							
Wingwalls			2	4		2 tin tops damaged, South side. 1 wingwall pile @ corners.			
(Total Number of Bearing Piles : 13:13)									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last									
Now	26	0	0	0					
Piles				6	N				
Paint/Coating				X	X				
Abutment Stability				7	7				
Scour/Erosion				5	5				
Piers/Bents									
(Type :)									
(Total Number of Caps/Corbels :)									
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last									
Now									
Bearing Seats/Caps/Corbels				X	X				
(Type :)									
(Depth(mm) :)									
(Width(mm) :)									
(Total Number of Bearing Piles :)									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last									
Now									
Pier Shaft/Piles				X	X				
Greatest Height (m)									
Bracing/Struts/Sheathing				X	X				
Nose Plate				X	X				
Paint/Coating				X	X				
(Colour Description :)									
(Colour Code :)									
Pier Stability				X	X				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	Yes			Old piles in streambed.-17-Dec-2009
Substructure General Rating		6	6	Last rated 6, on 17-Dec-2009
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Sharp bend @ South.
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(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							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2011	Replace tintops					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	56.5/56.5	Est. Repl. Yr	2020	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 Carcoux		Previous Assistant's Name				
Next Inspection Date	26-May-2013		Previous Inspection Date	17-Dec-2009			
Inspection Cycle (Default) (months)	21						
Comment							