

Bridge Inspection									
Bridge File Number	01252 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1993/1993				Lot No.	2			
Bridge or Town Name	WESTLOCK				Inspector Name	Eric Carcoux			
Located Over	WABASH CREEK, 8.11.84.17, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	18:10 C1 31.296				Assistant Name	Wade Nanninga			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	01-Sep-2011			
Legal Land Location	SW SEC 2 TWP 60 RGE 27 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:56:45, 54:09:08				Data Entry Date	28-Sep-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA10				Review Date	26-Sep-2011			
Clear Roadway/Skew	11.9 / 30 deg. (RHF)				Dept. Reviewer Name	Brent Herrick			
AADT/Year	2,500 / 2010 (A)				Dept. Review Date	28-Sep-2011			
Road Classification	RAU-210-110				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:	CS750						----> 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	Not required.								
Other Sign Types	File tag @ SW corner & NE.								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	S ROW				Gas				
Power	4 wire N r/w - crosses 100m East				Municipal				
Others	Buried fibre optics, N r/w				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Private entrances 80m East & 100m East. Golf course entrance 200m west. Sag curve. No passing both directions.				
Vertical Alignment			7	6					
Roadway Width (m)	12.000				44.3m @ SE; 63.3m @ NE; 59.5m @ NW; 67.1m @ SW. 3 posts @ NE are loose Not thrie beam				
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			6	4					
Length (m)	44.300								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			7	4	Windrows under guardrail impeding drainage.				
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 3 Spans, Lengths(m): 12-12-12, 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	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Buffer angles. Covered by chip seal coat.
Bump (Y/N)	No				
Deck Drainage			7	4	Loose chip-rock along curbs-1/2 drains clogged.
Drains Clogged (Y/N)	Yes				
Curbs/Median			5	4	Plow scrapes SW & NE corner. Light/medium scaling. Shrinkage cracks @ 3:00. Perforated spot on deck.-17-Dec-2009
(Curb Type : Standard)					
Scaling (Percent Area)	25				
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
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)	
Last					
Now					
Girders			7	5	Finish peeling 30% on fascia. More severe @ end spans. Narrow diag. crack S1G4, S3G2-9, S2G5,7,8 extending from piers less than 0.5m, no corrosion, only 1/2 are continuous.
Last Complete Inspection Date	01-Sep-2011				
Cracking (Y/N)	Yes				
Spalling (Percent Area)	0				
Lift or Connector Pocket Grouted (Y/N)	Yes				
(Number Of Girders : 33)					
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating			7	5	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth(mm) : 300)						
(Width(mm) : 600)						
Backwalls/Breastwalls				N	N	
Greatest Height (m)		1.00				
Wingwalls				7	7	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	999	0	0	0		
Piles				N	N	100% buried.
Paint/Coating				7	7	
Abutment Stability				7	7	
Scour/Erosion				7	7	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth(mm) : 600)						
(Width(mm) : 500)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				7	7	
Greatest Height (m)		5.00				
Bracing/Struts/Sheathing				7	7	steel
Nose Plate				X	X	
Paint/Coating				5	5	Starting to peel @ undersides of caps. Pigmented sealer.
(Colour Description :)						
(Colour Code :)						
Galvanized and pigmented sealer.						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		7	7	
Debris (Y/N)	Yes			Drift (100mm dia.) @ E pier.
Substructure General Rating		7	7	
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)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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							
SEAL CURBS	2011						
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING	2011	Remove chip along curbs.					
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	Remove windrows					
OTHER ACTION	2011	Re-install 3 GR posts -NE					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/66.7	Sufficiency Rating (Last/Now) (%)	69.3/62.4	Est. Repl. Yr	2052	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor deck cracks-17-Dec-2009 Monitor girder cracking		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	01-Jun-2013		Previous Inspection Date	17-Dec-2009			
Inspection Cycle (Default) (months)	21						
Comment							