

Bridge Inspection										
Bridge File Number	77847 -1 Bridge				Form Type	PSR				
Year Built/Year Supstr	1975/1975				Lot No.	2				
Bridge or Town Name	WHITLA				Inspector Name	Tom Carey				
Located Over	CPR				Inspector Class	BR CLS A				
Located On	3:14 C1 46.135				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	11-Nov-2011				
Legal Land Location	SE SEC 3 TWP 11 RGE 8 W4M				Data Entry By	Alyssa Boynton				
Longitude, Latitude	-111:00:28, 49:52:24				Data Entry Date	07-Dec-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts				
Contract Main. Area	CMA24				Review Date	21-Nov-2011				
Clear Roadway/Skew	13.4 / 19 deg. (RHF)				Dept. Reviewer Name	Tim Davies				
AADT/Year	3,180 / 2010 (A)				Dept. Review Date	15-Dec-2011				
Road Classification	RAU-213-130				Follow-Up By					
Detour Length (km)	5									
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 Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)					No							
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks		NOT REQUIRED										
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												

Hazard Marker At Bridge (Y/N)	Yes										
Remarks											
Other Sign Types											

Utilities (Located at)											
Utility Attachments											
Telephone	Conduit in N. curb void & at south r/w.				Gas						
Power					Municipal						
Others	Fibre optics at north R/W.				Problem (Y/N)		No				
Remarks											

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9	Crest curve over tracks, no passing due to limited site distance.				
Vertical Alignment			5	5					
Roadway Width (m)		13.600			Has the beam bolted to bridgerail and 3 cable and steel post system from guardrail. Steel I- beam posts at thriebeam				
Approach Bump			5	5					
Guardrail (Y/N)		Yes							
Guardrail			8	8					
Length (m)		99.000							
Current Standard (Y/N)		No							
Termination Type		TURNED DOWN							
Drainage			4	4	Holes on gaps at ACP at approach curbs at NE, SE and SW				
Approach Road General Rating			5	5					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : RD, 3 Spans, Lengths(m): 12.2-12.2-12.2, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0	0		
Now	0.0	0.0	0.0	0.0		
Wearing Surface			7	7	Some narrow map cracking and minor abrasion. Fibre reinforced	
(Material Type : CONCRETE)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			8	8	Minor bumps @ joints	
Deck Joints			8	8	SHRINKAGE CRACKS @ JOINT CONCRETE	
Temperature (deg. C)		12				
(Expansion Type :)						
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
Gap Size (mm)		Gap Location				
75		W. abut				
75		W. pier				
70		E. pier				
75		E. abut				
Deck Drainage			8	8	DRAINS TOWARDS E END. NO DRAINS.	
Drains Clogged (Y/N)		No				
Curbs/Median			6	6	Some corrosion stains	
(Curb Type : Standard)						
Scaling (Percent Area)		2				
Bridge Rail			9	9		
(Type : BRIDGE TUBE)						
Bridge Rail Posts			9	9		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			8	8		
(Type :)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Girders			4	4	SURFACE SPALL North FASCIA GIRDER @ W SPAN @ PIER-N 8 Girders have corrosion stains @ bottom of which 2 are interiors with wide cracks @ the corrosion stains Girders raised from 2 o 4 rating due to overlay and waterproof deck joints in good condition	
Cracking (Y/N)		Yes				
Spalling (Percent Area)		1				
(Number Of Girders : 36)						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RD, 3 Spans, Lengths(m): 12.2-12.2-12.2, A-Ident Number:)				
Diaphragms/Cross Frame		X	X	
Bearings		5	5	
Temperature (deg. C)	12			
(Expansion Type :)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	
Stains (Percent Area)	5			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		X	X	
Wingwalls		6	6	
Piles		N	N	
Paint/Coating		6	6	
Abutment Stability		7	7	
Scour/Erosion		X	X	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		4	3	Horizontal cracks 200 to 400 mm long at south end of east pier cap, north end of west pier cap SOME WITH CORROSION STAINING. Cracks are wide and spalling at west pier
(Type : CONCRETE)				
(Total Number of Bearing Piles : 7:7)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		5	5	
(Colour Description : GREEN)				
(Colour Code : 14090)				
Pier Stability		7	7	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		4	3	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		X	X	
Traffic Safety Features		X	X	
Type				
Slope Protection		5	5	Settled or pulled away 50 to 100 mm. @ w
(Type : CONCRETE; CONCRETE)				
Bank Stability		6	6	
Drainage		5	5	
Grade Separation General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Patch piers - 0.01m3 OHV					
OTHER ACTION	2012	Seal approach ACP at curbs					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/38.9	Sufficiency Rating (Last/Now) (%)	51.5/49.2	Est. Repl. Yr	2024	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	11-Aug-2013		Previous Inspection Date	24-Jun-2010			
Inspection Cycle (Default) (months)	21						
Comment							