

Bridge Inspection									
Bridge File Number	76805 W-2 Bridge				Form Type	PSR			
Year Built/Year Supstr	1971/1971				Lot No.				
Bridge or Town Name	EDMONTON				Inspector Name	Tom Hubbard			
Located Over	CNR				Inspector Class	BR CLS A			
Located On	15:03 L1 2.973				Assistant Name	Andre Gosselin			
Water Body Cl./Year					Assistant Class	BR CLS A			
Navigabil. Cl./Year					Inspection Date	11-Jul-2011			
Legal Land Location	NW SEC 7 TWP 54 RGE 23 W4M				Data Entry By	Tom Hubbard			
Longitude, Latitude	-113:22:53, 53:39:10				Data Entry Date	19-Jan-2012			
Road Authority	EDMONTON				Reviewer Name				
Contract Main. Area	UNDEFINED CMA				Review Date				
Clear Roadway/Skew	12.8 / -32 deg. (LHF)				Dept. Reviewer Name	Shiraz Kanji			
AADT/Year					Dept. Review Date	19-Jan-2012			
Road Classification					Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:	HS20				----> 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												
Required Load Posting (t)			Single		Semi		Truck Train					
Posted Loading (t)			Single		Semi		Truck Train					
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Remarks												

Hazard Marker At Bridge (Y/N)		No										
Remarks												
Other Sign Types		'Curve' sign to West.										

Utilities (Located at)												
Utility Attachments												
Telephone					Gas							
Power					Municipal							
Others					Problem (Y/N) No							
Remarks												

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	N/E guardrail has minor accident damage.				
Vertical Alignment			6	6					
Roadway Width (m)		12.900							
Approach Bump			7	7					
Guardrail (Y/N)		Yes							
Guardrail			6	5					
Length (m)									
Current Standard (Y/N)		No							
Termination Type		TURN DOWN END							
Drainage			6	6					
Approach Road General Rating			6	5					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : PM, 3 Spans, Lengths(m): 16.8-16.8-16.8, 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	6	
(Material Type : ACP)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top				N	N	
Deck Rideability				6	6	Some roughness at joint locations.
Deck Joints				3	4	2011 Wash report - No leaking evident but stains on north pier cap. Type: Neoprene gland type Joint measurement taken at gutters starting at east joint. 32mm - S/E Abutment 37mm - South Pier #2 30mm - South Pier #1 31mm - S/W Abutment
Temperature (deg. C)		17				
(Expansion Type :)						
(Fixed Type : ASPHALTIC FIBRE BOARD)						
Gap Size (mm)		Gap Location				
39		N/E Abutment				
44		North Pier #2				
32		North Pier #1				
38		N/W Abutment				
Deck Drainage				4	4	No drains on deck. Multiple ponding locations.
Drains Clogged (Y/N)		No				
Curbs/Median				6	6	(1) delamination area on South side at mid span.
(Curb Type : Standard)						
Scaling (Percent Area)		2				
Bridge Rail				7	7	Anchor zones starting to show signs of deterioration (SW). Some grout pads deteriorating. Paint is peeling off galvanizing, galvanizing is still OK.
(Type : BRIDGE TUBE)						
Bridge Rail Posts		5		5		
(Type :)						
Bridge Rail/Posts Coating		3		3		
(Type :)						
Sidewalk				X	X	No sidewalk.
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Girders				7	7	N/W end of girder over pier #2 has a small delam/spall location. (No apparent change from 2006 insp.) Legs showing signs of staining.
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
(Number Of Girders : 45)						
Diaphragms/Cross Frame				X	X	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PM, 3 Spans, Lengths(m): 16.8-16.8-16.8, A-Ident Number:)				
Bearings		7	7	Type: Long neoprene strips.
Temperature (deg. C)	17			
(Expansion Type :)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		N	N	See girder rating
Stains (Percent Area)	10			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		2	2	Breastwall tar coating is deteriorating.
Abutment Stability		7	7	
Scour/Erosion		6	6	
Piers/Bents				
(Type : PIER-COLUMN)				Caps have cracks at top of the columns. Crack in cap at exterior corner of pier #1 S/W.
Bearing Seats/Caps		5	5	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		6	6	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		5	5	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		5	5	
Debris (Y/N)	No			
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		X	X	Railway Alignment.

Structure Usage				
		Last	Now	Explanation of Condition
Traffic Safety Features		X	X	
Type				
Slope Protection		6	6	
(Type :)				
Bank Stability		5	5	Previous stability problems on East bank.
Drainage		6	6	
Grade Separation General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2012	Repair South side, mid span curb face delam and exterior post base delams.					
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING	2012	Annual Maintenance.					
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Fill gap at interface between columns and headslope.					
OTHER ACTION	2012	Epoxy inject pier crack at S/W.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	75.8/73.8	Est. Repl. Yr	2029	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 Hubbard		Previous Assistant's Name				
Next Inspection Date	11-Apr-2013		Previous Inspection Date	25-Jun-2008			
Inspection Cycle (Default) (months)	21						
Comment							