

Bridge Inspection										
Bridge File Number	81894 W-2 Bridge					Form Type	PSR			
Year Built/Year Supstr	1996/1996					Lot No.	3			
Bridge or Town Name	MONARCH					Inspector Name	Garry Roberts			
Located Over	MUNICIPAL					Inspector Class	BR CLS A			
Located On	3:08 L1 30.603					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	30-Nov-2011			
Legal Land Location	SW SEC 4 TWP 10 RGE 23 W4M					Data Entry By	Anne Roberts			
Longitude, Latitude	-113:04:20, 49:47:26					Data Entry Date	08-Jan-2012			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Joel Wozney			
Contract Main. Area	CMA25					Review Date	13-Dec-2011			
Clear Roadway/Skew	12.4 / 2 deg. (RHF)					Dept. Reviewer Name	Tim Davies			
AADT/Year	7,390 / 2010 (A)					Dept. Review Date	12-Jan-2012			
Road Classification	RFD-412.4-130					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:	CS750									----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)				UNDER: MUNICIPAL 5.5m								
Posted Vertical Clearance (Y/N)				Yes								
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)	5.4	In Advance (Y/N)	Yes
Remarks	Signed 5.4 on E/B structure for N/B Confirmed 5.4 posting is accurate May 20, 2010											
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)		No										
Remarks												
Other Sign Types		CURVE @ LOCAL ROAD, ICY BRG DECK										

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE								
Telephone	South ROW				Gas				
Power	3 wire-200m to NW				Municipal				
Others					Problem (Y/N)		No		
Remarks									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Hill to West
Vertical Alignment		6	6	
Roadway Width (m)	5.000			Recently patched
Approach Bump		6	8	
Guardrail (Y/N)		Yes		1 broken post at NW Not thriebeam
Guardrail		7	3	
Length (m)		87.000		
Current Standard (Y/N)		No		
Termination Type		TURNDOWN		
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>CBC, 1 Spans, Lengths(m): 33.5, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			6	6	Moderate transverse and longitudinal cracks
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type : )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
Deck Drainage			5	5	No drains
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	transverse cracks & efflorescence
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Several post A/B nuts are just flush
(Type : <b>BRIDGE TUBE</b> )					
Bridge Rail Posts			6	6	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			8	8	
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : <b>6</b> )					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>CBC, 1 Spans, Lengths(m): 33.5, A-Ident Number: )</b>				
Diaphragms/Cross Frame		8	8	
Bearings		8	8	
Temperature (deg. C)	-1			
(Expansion Type : <b>REINFORCED PAD BEARING</b> )				
(Fixed Type : )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Cracks & efflorescence
Stains (Percent Area)	1			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>7</b>	<b>7</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	Buried
Paint/Coating		X	X	
Abutment Stability		8	8	
Scour/Erosion		X	X	
<b>Piers/Bents</b>				
(Type : )				
Bearing Seats/Caps		X	X	
(Type : )				
(Total Number of Bearing Piles : )				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		6	6	Approach at NW
Traffic Safety Features		X	X	
Type				
Slope Protection		7	7	Away 70m @ W & E and down 100mm @ W
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability		8	7	
Drainage		7	7	
<b>Grade Separation General Rating</b>		<b>6</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Replace 1 T.T. post at NW approach.					
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>83.3/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>71.2/71.2</b>	Est. Repl. Yr	2061	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	30-Aug-2013		Previous Inspection Date	20-May-2010			
Inspection Cycle (Default) (months)	21						
Comment							