

Bridge Inspection									
Bridge File Number	75555 -1 Bridge					Form Type	SG		
Year Built/Year Supstr	1963/1963					Lot No.	4		
Bridge or Town Name	BRIGHTVIEW					Inspector Name	Owen Salava		
Located Over	2:30 R1 0.000;2:30 L1 0.000					Inspector Class	BR CLS A		
Located On	13:06 R1 52.573;13:06 L1 52.573					Assistant Name			
Water Body Cl./Year						Assistant Class			
Navigabil. Cl./Year						Inspection Date	21-Feb-2013		
Legal Land Location	SW SEC 13 TWP 46 RGE 26 W4M					Data Entry By	Marcia Chavez		
Longitude, Latitude	-113:38:48, 52:57:35					Data Entry Date	11-Mar-2013		
Road Authority	Alberta Transportation (AIT)					Reviewer Name	John O'Brien		
Contract Main. Area	CMA17					Review Date	27-Feb-2013		
Clear Roadway/Skew	21.3 / 6 deg. (RHF)					Dept. Reviewer Name	Chris Black		
AADT/Year	3,280 / 2011 (A)					Dept. Review Date	14-Mar-2013		
Road Classification	RAD-412.4-120					Follow-Up By			
Detour Length (km)	20								
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:	HS20						----> Primary Span		

Posting Information													
Required Vert. Clearance Posting (m)		UNDER: 2 L1 5.3m, 2 R1 5.3m											
Posted Vertical Clearance (Y/N)													
Posted:	Lane	NB	On Bridge (m)	5.4	In Advance (Y/N)	Yes	Lane	SB	On Bridge (m)	5.2	In Advance (Y/N)	Yes	
Remarks													
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)		In Advance (Y/N)		At Bridge (Y/N)						
Remarks													

Hazard Marker At Bridge (Y/N)	No												
Remarks													
Other Sign Types													

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

Approach Road					
		Last	Now	Explanation of Condition	
Horizontal Alignment		9	9	On crest curve. Typical grade separation.	
Vertical Alignment		7	7		
Roadway Width (m)	23.800			No median between curbs at approaches next to bridge.	
Approach Bump		8	8		
Guardrail (Y/N)		Yes			
Guardrail		7	7		
Length (m)	57.000				
Current Standard (Y/N)	Yes				
Termination Type	TURNED DOWN				
Drainage		7	7		
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>		

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : FR, 5 Spans, Lengths(m): 12.8-22.9-7.6-22.9-12.8, A-Ident Number: A0435-01)						
<b>Special Features</b>						
Special Feature			X			
(Type : )						
Special Feature			X			
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow at curbs.	
<b>Last</b>	0	0	0	0		
<b>Now</b>	10.0	0.0	0.0	0.0		
Wearing Surface			8	7		
(Material Type : <b>CONCRETE - CONVENTIONAL CHIP SEAL COAT</b> )						
(Thickness(mm) : <b>50</b> )						
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			5	5		
Temperature (deg. C)		-9				
(Expansion Type : <b>ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES)</b> )						
(Fixed Type : )						
Gap Size (mm)		Gap Location				
91		E. abut				
85		W. abut				
Deck Drainage			7	7	No drains on bridge. Ice at SW bearing seat.	
Drains Clogged (Y/N)		No				
Curbs/Median			7	7		
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		5				
Bridge Rail			5	5	1 bar, 5th panel from SE, bottom weld broken; minor damage Bay 12/13 N rail.  Anchor bolt nuts not fully engaged, approx. 20%. Minor tear fo post near base.  Some corrosion at base plates.	
(Type : <b>GALVANIZED STEEL VERTICAL BAR</b> )						
Bridge Rail Posts			5	5		
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating			5	5		
(Type : <b>GALVANIZED</b> )						
Sidewalk			X	X		
<b>Girder/Beam</b>						
Cover Plate			X	X		
Flange			7	7		
Web			7	7		
Stiffeners			7	7		
Splice			7	7		
Weld			7	7		
Diaphragms/Cross Frame			7	7		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FR, 5 Spans, Lengths(m): 12.8-22.9-7.6-22.9-12.8, A-Ident Number: A0435-01)				
Paint Condition		8	6	
(Colour Description : <b>GREEN</b> )				
(Colour Code : <b>14090</b> )				
Touchup Required (Y/N)	No			
Bearings		6	6	
Temperature (deg. C)	-9			
(Expansion Type : <b>REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL</b> )				
(Fixed Type : <b>PINNED BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Small haunch spall at P1,G6 (photo). Transverse cracks with corrosion & efflorescence stains; some patches have feathered edges.
Stains (Percent Area)	1			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>6</b>	<b>6</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		7	6	Random cracks with corrosion staining.
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		5	5	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		7	6	
Abutment Stability		7	7	
Scour/Erosion		X	X	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		7	7	Pier 2 has vertical cracks in 50% of footings.
(Type : <b>STEEL</b> )				
(Total Number of Bearing Piles : <b>0:0:0:0</b> )				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		7	7	
(Colour Description : <b>GREEN</b> )				
(Colour Code : <b>14090</b> )				
Pier Stability		7	7	
Scour		X	X	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Substructure General Rating</b>		<b>7</b>	<b>6</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		8	8	
Traffic Safety Features		7	7	
Type	GUARDRAIL			
Slope Protection		7	7	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability		6	6	
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							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
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>72.2/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>60.2/57.9</b>	Est. Repl. Yr	2033	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Check spalling haunch at P1.		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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	21-Nov-2014		Previous Inspection Date	12-Jul-2011			
Inspection Cycle (Default) (months)	21						
Comment							