

Bridge Inspection										
Bridge File Number	75760 S-6 Bridge					Form Type	SG			
Year Built/Year Supstr	2008/2008					Lot No.	2			
Bridge or Town Name	BREMNER					Inspector Name	Shane Hall			
Located Over	16:18 L1 7.323;16:18 R1 7.317					Inspector Class	BR CLS A			
Located On	21:28 L1 13.707					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	04-Jan-2013			
Legal Land Location	NE SEC 12 TWP 53 RGE 23 W4M					Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:14:48, 53:34:11					Data Entry Date	05-Feb-2013			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA09					Review Date	10-Jan-2013			
Clear Roadway/Skew	16.6 / 2 deg. (RHF)					Dept. Reviewer Name	Brent Herrick			
AADT/Year	10,770 / 2011 (A)					Dept. Review Date	14-Feb-2013			
Road Classification	RAD-412.4-120					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:	CL800									----> Primary Span

Posting Information													
Required Vert. Clearance Posting (m)			UNDER: 16 L1 5.5m, 16 R1 5.5m										
Posted Vertical Clearance (Y/N)			Yes										
Posted:	Lane	EB	On Bridge (m)	5.3	In Advance (Y/N)	Yes	Lane	WB	On Bridge (m)		In Advance (Y/N)	Yes	
Remarks		WB sign is located North bound structure.											
Required Load Posting (t)			Single					Semi				Truck Train	
Posted Loading (t)			Single					Semi				Truck Train	
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)		No	At Bridge (Y/N)		No			
Posted:	Lane	SB	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		Information 5.3m Clearance for Overpass to South.											

Utilities (Located at)									
Utility Attachments									
Telephone	NW and South.				Gas	North approx 100m.			
Power	3 OH lines North. Street lights.				Municipal				
Others	Underbridge lights.				Problem (Y/N)	No			
Remarks									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Grade separation alignments with merging on/off ramps.
Vertical Alignment		7	7	
Roadway Width (m)		17.200		Snow covered.
Approach Bump		8	8	
Guardrail (Y/N)		Yes		
Guardrail		9	N	
Length (m)		34.200		
Current Standard (Y/N)		Yes		
Termination Type		crash end		
Drainage		9	9	
Approach Road General Rating		7	7	

Superstructure						
Bridge Component		Last		Now		Explanation of Condition
(Primary Span : WG, 2 Spans, Lengths(m): 38.65-38.65, 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			9		8	
(Material Type : ACP)						
(Thickness(mm) : 90)						
Deck Top			N		N	
Deck Rideability			9		9	
Deck Joints			9		9	
Temperature (deg. C)		2				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
78		Abutment 1				
77		Abutment 2				
Deck Drainage			8		N	Snow covered.
Drains Clogged (Y/N)		Yes				
Curbs/Median			9		N	Snow covered.
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			9		N	Snow covered.
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			9		N	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			9		N	
(Type : GALVANIZED)						
Sidewalk			X		X	
Girder/Beam						
Cover Plate			X		X	
Flange			9		9	
Web			9		9	
Stiffeners			9		9	
Splice			9		9	
Weld			9		9	
Diaphragms/Cross Frame			9		9	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 2 Spans, Lengths(m): 38.65-38.65, A-Ident Number:)				
Paint Condition		X	X	Weathering steel.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		6	6	(Exterior bearings have slight bulging between reinforcement layers. Pads are conflicting in exp or contractel positions indicating some are not sliding freely and may cause "roll distortion".-26-Nov-2008) Inspected from adjacent headslopes. Pier bearings viewed with binoculars.
Temperature (deg. C)	2			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : DISC BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		9	9	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
Backwalls/Breastwalls		9	9	
Wingwalls		9	9	
Piles		9	9	
Paint/Coating		9	9	
Abutment Stability		9	9	
Scour/Erosion		9	9	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 5)				
Pier Shaft/Piles		9	9	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		9	9	Grey.
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	9	
Scour		X	X	
Debris (Y/N)	Yes			Construction debris in ditches.
Substructure General Rating		9	9	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		9	9	
Traffic Safety Features		9	9	
Type	Guardrail			
Slope Protection		8	8	Top of NW corner has minor crack. Settled upto 30mm.
(Type :)				
Bank Stability		8	8	
Drainage		4	N	Water ponding @ pier in median.-photo-23-Sep-2010
Grade Separation General Rating		4	4	GR carried fwd from 23-Sep-2010

Next Inspection Date	04-Oct-2014	Previous Inspection Date	23-Sep-2010
Inspection Cycle (Default) (months)	21		
Comment			