

Bridge Inspection							
Bridge File Number	77817 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1975/1975			Lot No.	4		
Bridge or Town Name	BEAVER MINES			Inspector Name	Garry Roberts		
Located Over	WEST CASTLE RIVER, 2.12.35.10, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	774:02 C1 9.208			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	27-Nov-2012		
Legal Land Location	SE SEC 17 TWP 5 RGE 3 W5M			Data Entry By	Lauren Korte		
Longitude, Latitude	-114:21:45, 49:22:52			Data Entry Date	01-Jan-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Tom Carey		
Contract Main. Area	CMA26			Review Date	06-Dec-2012		
Clear Roadway/Skew	8.8 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	160 / 2011 (A)			Dept. Review Date	08-Jan-2013		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	999						
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 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	Not required.						
Hazard Marker At Bridge (Y/N)	Yes						
Remarks							
Other Sign Types							

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

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Curves both ends.
Vertical Alignment		7	7	
Roadway Width (m)	8.000			35m ACP transition paving.
Approach Bump		5	8	
Guardrail (Y/N)	Yes			New approach rail and posts.
Guardrail		4	8	
Length (m)	30.000			Not thriebeam.
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		6	7	
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VF, 1 Spans, Lengths(m): 33.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow/ice 70%.
Last	0	0	0	60	
Now	70.0	0.0	0.0	0.0	
Wearing Surface			3	N	New ACP. Visible areas rate 8.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Paved.
Deck Rideability			7	8	
Deck Joints			3	N	Paved over with sealed saw-cuts.
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type : WATER STOP)					
Gap Size (mm)		Gap Location			
Deck Drainage			6	7	
Drains Clogged (Y/N)		No			
Curbs/Median			4	N	(Small spall at top of curb NW). 60% snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	10 A/B nuts at South rail and 8 at North rail with insufficient thread. Scrapes on North-minor corrosion.
(Type : STEEL BRIDGE TUBE; GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		4	4		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		4	4		
(Type : GALVANIZED)					
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	Typical narrow to medium width web and chamfer cracks.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 6)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : VF, 1 Spans, Lengths(m): 33.5, A-Ident Number:)				
Diaphragms/Cross Frame		6	6	Cracks at ends.
Bearings		7	7	Reinforced neoprene pads.
Temperature (deg. C)	-8			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	0			
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		7	7	
Wingwalls		7	7	
Piles		N	N	Buried.
Paint/Coating		5	5	Tar coating.
Abutment Stability		8	8	
Scour/Erosion		7	7	
Piers/Bents				
(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			
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Stream curves and flows against East abut.
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		6	6	
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	No			
Slope Protection		7	7	Rock Wall @ East.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	7	Previous concrete abut at NE.
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	61.0/58.0	Est. Repl. Yr	2035	Maint. Req. (Y/N)	No
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	27-Feb-2016		Previous Inspection Date	11-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							