

Bridge Inspection							
Bridge File Number	71313 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1960/1960			Lot No.	2		
Bridge or Town Name	VALLEYVIEW			Inspector Name	Brian Pientsch		
Located Over	LITTLE SMOKY RIVER, 8.10.58.7, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	669:02 C1 7.893			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	21-Sep-2010		
Legal Land Location	SE SEC 28 TWP 70 RGE 21 W5M			Data Entry By	Jill Potts		
Longitude, Latitude	:, :			Data Entry Date	17-Oct-2010		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Arnold Assenheimer		
Contract Main. Area	CMA03			Review Date	05-Oct-2010		
Clear Roadway/Skew	7.9 / 10 deg. (RHF)			Dept. Reviewer Name	Steve Pasquan		
AADT/Year				Dept. Review Date	23-Nov-2010		
Road Classification	RCU-208-110			Follow-Up By			
Detour Length (km)	25						
Allowable Load (t):	Single	CS1 45 GIRDER	Semi	CS2 50 GIRDER	Train	CS3 62 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> 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)	No	In Advance (Y/N)	No	At Bridge (Y/N) No
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)	Yes						
Remarks							
Other Sign Types	Narrow Bridge. "Little Smoky River".						

Utilities (Located at)			
Utility Attachments			
Telephone	South ditch.		Gas
Power	3 wire North side of road.		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Approach NE 40m from bridge. Bottom of sag curve, no passing.
Vertical Alignment		5	5	
Roadway Width (m)	8.500			
Approach Bump		6	6	
Guardrail (Y/N)	Yes			
Guardrail		7	7	
Length (m)	15.000			
Current Standard (Y/N)	Yes			
Termination Type	Turn Down			
Drainage		7	7	
Approach Road General Rating		5	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PO, 5 Spans, Lengths(m): 22.9-30.5-30.5-30.5-29, 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			5	5	Narrow random transverse cracks in overlay. One long crack from pier 3, EBL, span 4.
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			7	4	6 snowplow guards in total broken off, 2 @ P2 & 2 @ P3.
Temperature (deg. C)		5			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC);ARMOURED GLAND (WABO UNDER FINGER OR SLIDING PLATES))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
70		W. abut.			
65		Pier 1			
78		Pier 2			
65		Pier 3			
65		Pier 4			
50		E. abut.			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			3	5	
(Curb Type : Standard)					
Scaling (Percent Area)		20			
Bridge Rail			6	6	A few bent bars. Top rail dips down at NW, no grout pads on S1.
(Type : GALVANIZED STEEL VERTICAL BAR)					
Bridge Rail Posts			7	7	
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			7	7	Viewed spans 2, 3 & 4 from banks, no noted problems.
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : 20)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 5 Spans, Lengths(m): 22.9-30.5-30.5-30.5-29, A-Ident Number:)				
Diaphragms/Cross Frame		7	7	
Bearings		5	5	Exterior bearings rusting - photo.
Temperature (deg. C)	5			
(Expansion Type :)				
(Fixed Type :)				
Coating Adequate (Y/N)	No			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Small spall on deck underside near West abutment.
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		5	5	
Wingwalls		6	6	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		8	8	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 1:1:1:1)				
Pier Shaft/Piles		6	6	
Bracing/Struts/Sheathing		X	X	
Nose Plate		6	6	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		6	6	
Debris (Y/N)	No			
Substructure General Rating		6	6	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		8	8	
Bank Stability		5	5	Vertical banks both U/S & D/S.
HWM (m below Top of Curb)				No HWM visible.
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	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	2010	Weld on missing snowplow guards on pier joints 2 & 3.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	57.6/57.9	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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	21-Dec-2013		Previous Inspection Date	28-May-2007			
Inspection Cycle (Default) (months)	39						
Comment							