

Bridge Inspection							
Bridge File Number	07686 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1972/1972			Lot No.	3		
Bridge or Town Name	YOUNGSTOWN			Inspector Name	Jason Saly		
Located Over	BLOOD INDIAN CREEK, 3.9, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	884:10 C1 6.645			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	23-Nov-2010		
Legal Land Location	NE SEC 33 TWP 26 RGE 9 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-111:11:51, 51:16:14			Data Entry Date	05-Jan-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA22			Review Date	11-Dec-2010		
Clear Roadway/Skew	9.1 / -45 deg. (LHF)			Dept. Reviewer Name	Chris Black		
AADT/Year	530 / 2009 (A)			Dept. Review Date	11-Jan-2011		
Road Classification	RCU-210-110			Follow-Up By			
Detour Length (km)	100						
Allowable Load (t):	Single	CS1 35 GIRDER	Semi	CS2 57 GIRDER	Train	CS3 82 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	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	No posting required.							

Hazard Marker At Bridge (Y/N)	Yes
Remarks	
Other Sign Types	

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

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Located in "S" curve. Entrance to Blood Indian Park 70m NW & road allowance 200m S-E of bridge.
Vertical Alignment		6	6	
Roadway Width (m)				Bent in grass but still functional.
Approach Bump		5	5	
Guardrail (Y/N)	Yes			
Guardrail		5	5	
Length (m)	30.400			
Current Standard (Y/N)	No			
Termination Type	TURNDOWN ENDS			
Drainage		4	N	(Starting to erode behind NW wingwell. 28Jan2009).
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 11.6, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.
Last	0	0	0	0	
Now	100.0	0.0	0.0	0.0	
Wearing Surface			6	N	(Longitudinal cracks along all girder lines. 28Jan2009).
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	paved over
Deck Rideability			6	6	
Deck Joints			N	N	Buffer angles - paved over.
Bump (Y/N)		No			
Deck Drainage			7	N	Snow covered.
Drains Clogged (Y/N)		No			
Curbs/Median			5	N	(Impact @ SE corner has cracked curb. Lift pockets not grouted. 28Jan2009). Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			6	6	Double layer. (Missing front nuts at NW corner - A/B too low. 28Jan2009). Snow covered.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			3	N	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			6	6	
(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	G1,6-7,10-11 have wide ck in one leg inside the AZ. Also retain 4 rating if pockets not grouted.
Last Complete Inspection Date		23-Nov-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 11)					
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					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1500)					
(Total Number of Caps/Corbels : 3:7)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				5	5
(Type : TREATED TIMBER)					
(Depth(mm) : 356)					
(Width(mm) : 305)					
Backwalls/Breastwalls				5	5
Greatest Height (m)		3.10			
Wingwalls				4	5
(Total Number of Bearing Piles : 8:8)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles				4	4
Paint/Coating				X	X
Abutment Stability				4	5
Scour/Erosion				5	N
Piers/Bents					
(Type :)					
(Total Number of Caps/Corbels :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels				X	X
(Type :)					
(Depth(mm) :)					
(Width(mm) :)					
(Total Number of Bearing Piles :)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Pier Shaft/Piles				X	X
Greatest Height (m)					
Bracing/Struts/Sheathing				X	6
Nose Plate				X	X
Paint/Coating				X	X
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	N	Snow covered.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	6	GR based on slope protection rating from 28Jan2009.

Maintenance Recommendations									
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #			
REPAIR/REPLACE BRIDGE RAIL									
SEAL CURBS	2012	Extend anchor bolts and place 2 nuts at NW post, if not yet done.							
PATCH DECK									
OVERLAY DECK									
STRAIGHTEN/REPLACE MEMBERS									
WASHING									
SHOTCRETE REPAIRS									
CORE TIMBER CAPS/CORBELS									
REPAIR/REPLACE TIMBER CAPS									
REPAIR ABUTMENT SCOUR/EROSION									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL STRUTS									
OTHER ACTION	2012	Grout curb lift pockets, if not yet done.							
OTHER ACTION	2012	Repair NW wing erosion - place 6m3 C1.3 then backfill with pitrun, if not yet done.							
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	61.7/60.2	Est. Repl. Yr	2026	Maint. Req. (Y/N)	Yes		
Special Comments for Next Inspection	Monitor A1 movement.		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	23-Feb-2014		Previous Inspection Date	28-Jan-2009					
Inspection Cycle (Default) (months)	39								
Comment									

Maintenance Recommendations

Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL						
SEAL CURBS	2012	Extend anchor bolts and place 2 nuts at NW post, if not yet done.				
PATCH DECK						
OVERLAY DECK						
STRAIGHTEN/REPLACE MEMBERS						
WASHING						
SHOTCRETE REPAIRS						
CORE TIMBER CAPS/CORBELS						
REPAIR/REPLACE TIMBER CAPS						
REPAIR ABUTMENT SCOUR/EROSION						
PLACE ADDITIONAL RIP RAP						
REMOVE DRIFT ACCUMULATION						
INSTALL STRUTS						
OTHER ACTION	2012	Grout curb lift pockets, if not yet done.				
OTHER ACTION	2012	Repair NW wing erosion - place 6m3 C1.3 then backfill with pitrun, if not yet done.				
OTHER ACTION						
OTHER ACTION						
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	61.7/60.2	Est. Repl. Yr	2026	Maint. Req. (Y/N) Yes
Special Comments for Next Inspection	Monitor A1 movement.		Department Comments	Pile repairs attempted on 7/16 piles in March 2010 but found severe rot at 1.2m below streambed. Piles should be rated "2" due to this rot and the bridge s/b replaced as soon as funding is available. Department safety reviews are being done on a 4 month cycle in the interim. CB		
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	23-Feb-2014	Previous Inspection Date	28-Jan-2009
Inspection Cycle (Default) (months)	39		
Comment			