

Bridge Inspection										
Bridge File Number	72564 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1964/1964				Lot No.	1				
Bridge or Town Name	BEARBERRY				Inspector Name	Owen Salava				
Located Over	TEEPEE POLE CK, 3.95.3, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	734:14 C1 6.227				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	30-Nov-2010				
Legal Land Location	SE SEC 11 TWP 34 RGE 9 W5M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-115:09:33, 51:54:02				Data Entry Date	02-Jan-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA18				Review Date	16-Dec-2010				
Clear Roadway/Skew	6.4 / 0 deg.				Dept. Reviewer Name	Chris Black				
AADT/Year	90 / 2009 (A)				Dept. Review Date	12-Jan-2011				
Road Classification	RCU-208G-90				Follow-Up By					
Detour Length (km)	80									
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 75 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	Required due to bulging cap & broken pile. NBL barricaded off - reduced to one lane traffic.									
Hazard Marker At Bridge (Y/N)	Yes									
Remarks	Not to standards. Too low & offline at all corners.									
Other Sign Types	Curve, Teepee Pole Creek, "One Lane Traffic" & "Prepare to Stop"									

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

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		4	4	Sharp curve to the North. Hill 100m South. Limited sight distance both directions.					
Vertical Alignment		5	5						
Roadway Width (m)	6.700								
Approach Bump		4	5						
Guardrail (Y/N)	No								
Guardrail		X	X						
Length (m)									
Current Standard (Y/N)	No								
Termination Type	None								
Drainage		7	7						
Approach Road General Rating		4	4						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 8.5, 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	100.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)					
Deck Top			N	N	Snow covered.
Deck Rideability			4	5	
Deck Joints			N	N	Buffer angles covered by snow.
Bump (Y/N)			No		
Deck Drainage			5	N	(Hampered by gravel buildup. 23Nov2005).
Drains Clogged (Y/N)			No		
Curbs/Median			3	N	(Small hole in East curb - photo. 23Nov2005). Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)			5		
Bridge Rail			4	4	Single layer. Minor damage throughout. Improper lap. Round. Paint flaking 30%.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			6	6	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			4	4	
(Type : PAINT)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last				1	
Now	0	0	0	0	
Girders			3	6	Not visible.
Last Complete Inspection Date		30-Nov-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 8)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	6	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1000)						
(Total Number of Caps/Corbels : 1:1)					S cap replaced.	
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last			1			
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				2	5	
(Type : TREATED TIMBER)						
(Depth(mm) : 356)						
(Width(mm) : 305)						
Backwalls/Breastwalls				4	4	
Greatest Height (m)		3.00				
Wingwalls				4	4	
(Total Number of Bearing Piles : 5:5)					7/10 piles anchor wire broken.	
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last			3	1		
Now	0	0	0	0		
Piles				2	5	
Paint/Coating				X	X	
Abutment Stability				4	4	
Scour/Erosion				5	5	
Stream flows against N abut due to gravel buildup at S abut - photo.						
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				2	3	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
250mm dia logs used as struts, only center 3 piles strutted.						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		2	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				90 degree bend immediatly U/S. NW wing prone to erosion due to channel alignment.
(D/S Direction : E)				
Alignment		3	3	
Bank Stability		5	5	
HWM (m below Top of Curb)				(0.7m below girder legs. 05/09/06).
Drift (Y/N)	Yes			
Slope Protection		4	5	Riprap at NW wingwall.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		3	3	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS	2011	Patch hole if not 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	2011	Install approach rail 48m flexbeam when rehab.					
OTHER ACTION	2011	Reset hazard markers to standards.					
OTHER ACTION	2011	Drive in new pile @ NW wing.					
OTHER ACTION	2011	Anchor piles & remove struts.					
OTHER ACTION	2011	Remove gravel under bridge at S 2/3.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	27.8/55.6	Sufficiency Rating (Last/Now) (%)	42.2/53.5	Est. Repl. Yr	2015	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)	Y						
Proposed Action	2003.08.19 Assess in 2009. Replace in 2010.						
Previous Inspector's Name	Dave Lam		Previous Assistant's Name				
Next Inspection Date	28-Feb-2014		Previous Inspection Date	23-Nov-2005			
Inspection Cycle (Default) (months)	39						

Comment	
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