

Bridge Inspection							
Bridge File Number	08554 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1960/1960			Lot No.	1		
Bridge or Town Name	CESSFORD			Inspector Name	Jason Saly		
Located Over	DEADFISH CREEK, 3.14.2.1, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	561:06 C1 5.149			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	27-Nov-2010		
Legal Land Location	NE SEC 31 TWP 23 RGE 13 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-111:47:54, 51:00:30			Data Entry Date	07-Jan-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA21			Review Date	11-Dec-2010		
Clear Roadway/Skew	8.2 /			Dept. Reviewer Name	Chris Black		
AADT/Year	250 / 2009 (A)			Dept. Review Date	12-Jan-2011		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	19						
Allowable Load (t):	Single	CS1 29 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 74 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	400mm offline. SE HM broken.						
Other Sign Types							

Utilities (Located at)			
Utility Attachments			
Telephone	Runs along S side of bridge.		Gas
Power	Crosses road E of bridge.		Municipal
Others			Problem (Y/N) No
Remarks	Telus-attached to bridge		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	Located in middle of a "C" curve with marginal sight distance.
Vertical Alignment		5	5	
Roadway Width (m)	10.000			Not long enough & insufficient posts.
Approach Bump		5	5	
Guardrail (Y/N)	Yes			
Guardrail		4	4	
Length (m)	7.600			Missing 4 splice bolts at SW bridge connection Incorrect lap at east end, S side.
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		5	N	Snow covered.
<b>Approach Road General Rating</b>		<b>5</b>	<b>5</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PGO, 3 Spans, Lengths(m): 8.5-8.5-8.5, A-Ident Number: )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.
<b>Last</b>	0	0	0	0	
<b>Now</b>	100.0	0.0	0.0	0.0	
Wearing Surface			7	N	(Total of 9 narrow GKC's. 09Feb2009).
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>50</b> )					Not connected PG
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Under concrete overlay
Deck Rideability			7	6	
Deck Joints			N	N	
Bump (Y/N)		No			
Deck Drainage			7	N	(Still ample drainage. 09Feb2009). Snow covered.
Drains Clogged (Y/N)		No			
Curbs/Median			5	N	(exposing void. 09Feb2009). Snow covered.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			4	4	Double layer spliced incorrectly.
(Type : <b>FLEX BEAM</b> )					
Bridge Rail Posts			5	N	Missing 2 post tops at north curbs Sp2 and 3
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			6	6	
(Type : )					
Sidewalk			X	X	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			5	4	G7 S1 2 legs ck'd in AZ at PI. Crack in AZ's. Sound concrete at all AZ cracks. Bottom corners broken at north curbs of Sp2 and 3
Last Complete Inspection Date		27-Nov-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>30</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>5</b>	<b>4</b>	1 point bump for PG

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1500)					
(Total Number of Caps/Corbels : 1:1)					
SE corner - cap is split.					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Bearing Seats/Caps/Corbels				5	5
(Type : TREATED TIMBER)					
(Depth(mm) : 305)					
(Width(mm) : 305)					
Backwalls/Breastwalls			4	3	West backwall is failing, material spilling through.
Greatest Height (m)		1.50			
Wingwalls			5	5	(SE tin top damaged and NW. 09Feb2009).
(Total Number of Bearing Piles : 7:7)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Piles				6	6
Paint/Coating				X	X
Abutment Stability				7	7
Scour/Erosion				7	5
Minor erosion channel in E hslp.					
<b>Piers/Bents</b>					
(Type : PIER-COLUMN)					
Pier caps welded together.					
(Total Number of Caps/Corbels : 2:2)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Bearing Seats/Caps/Corbels				7	7
(Type : STEEL)					
(Depth(mm) : 305)					
(Width(mm) : 305)					
Old timber piles and sheeting left in place.					
(Total Number of Bearing Piles : 6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Pier Shaft/Piles				7	7
Greatest Height (m)		3.00			
Bracing/Struts/Sheathing			6	6	
Nose Plate			7	7	
Paint/Coating			5	5	Primer on nose plate
(Colour Description : )					
(Colour Code : )					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		5	N	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				Curves U/S and D/S
(D/S Direction : <b>S</b> )				
Alignment		5	5	
Bank Stability		7	6	
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	No			
Slope Protection		6	5	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>5</b>	<b>5</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
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	Epoxy seal centerline and trans cracks - 45 lia m, if not yet done.					
OTHER ACTION	2011	Install 2 missing post tops or replace 2 posts.					
OTHER ACTION	2011	Repair timber backwall at A1.					
OTHER ACTION	2011	Replace SE HM.					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/50.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>62.6/60.1</b>	Est. Repl. Yr	2019	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	27-Feb-2014		Previous Inspection Date	09-Feb-2009			
Inspection Cycle (Default) (months)	39						
Comment							