

Bridge Inspection									
Bridge File Number	01750 -2 Bridge				Form Type	PCS			
Year Built/Year Supstr	2005/2005				Lot No.	3			
Bridge or Town Name	CROSSFIELD				Inspector Name	Owen Salava			
Located Over	ROSEBUD RIVER, 3.33, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	791:06 C1 11.584				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	26-Oct-2011			
Legal Land Location	SW SEC 24 TWP 29 RGE 28 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-113:49:33, 51:29:26				Data Entry Date	23-Nov-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA29				Review Date	11-Nov-2011			
Clear Roadway/Skew	9.9 /				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	550 / 2010 (A)				Dept. Review Date	24-Nov-2011			
Road Classification	RCU-210-110				Follow-Up By				
Detour Length (km)	30								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:							----> 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	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Rosebud River								

Utilities (Located at)									
Utility Attachments									
Telephone	East r/w.				Gas				
Power	1 wire 200m NE.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		8	8	Farm access north end. In bottom of vertical curve. No passing.					
Vertical Alignment		5	5						
Roadway Width (m)	12.000			Recently paved.					
Approach Bump		7	9						
Guardrail (Y/N)		Yes		@ NE.					
Guardrail		8	8	Over 19m @ all other corners.					
Length (m)		49.000							
Current Standard (Y/N)		Yes							
Termination Type		Turn down							
Drainage		8	8						
Approach Road General Rating		5	5						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 3 Spans, Lengths(m): 10-12-10, 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	0.0	0.0	0.0	0.0	
Wearing Surface			8	8	Silica fume concrete.
(Material Type : CONCRETE)					
(Thickness(mm) : 150)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			X	X	
Bump (Y/N)					
Deck Drainage			4	4	Some drains are clogged with straw - photo.
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			9	9	
(Type : GALVANIZED STEEL TUBE BEAM TYPE 2)					
Bridge Rail Posts			9	9	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	8	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			8	8	
Last Complete Inspection Date		26-Oct-2011			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 27)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			8	8	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : N)					
(Extended Backwall Piles Spacing(mm) :)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				8	8
(Type : CONCRETE)					
(Depth(mm) : 1000)					
(Width(mm) : 500)					
Backwalls/Breastwalls			N	N	Not visible behind girders.
Greatest Height (m)		1.50			
Wingwalls			9	9	
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	100				
Now	100	0	0	0	
Piles				N	N
Paint/Coating				8	8
Abutment Stability				9	9
Scour/Erosion				8	8
Piers/Bents					
(Type : PIER-SOLID)					
New cap cast on top of existing piers.					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				9	9
(Type : CONCRETE)					
(Depth(mm) :)					
(Width(mm) :)					
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	100				
Now	100	0	0	0	
Pier Shaft/Piles				9	9
Greatest Height (m)		5.00			
Bracing/Struts/Sheathing				X	X
Nose Plate				8	8
Paint/Coating				4	4
20% corrosion on nose plate.					
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		9	9	
Scour		N	N	
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Curve @ U/S.
(D/S Direction : E)				
Alignment		5	5	
Bank Stability		5	5	Steep cut @ SW - photo.
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	No			
Slope Protection		7	7	Sandbags.
(Type : CONCRETE; CONCRETE)				
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							
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	2012	Unclog deck drains.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	70.4/69.9	Est. Repl. Yr	2065	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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	26-Jan-2015		Previous Inspection Date	23-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							