

Bridge Inspection							
Bridge File Number	01630 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1969/1969			Lot No.	1		
Bridge or Town Name	ANDREW			Inspector Name	Jason Saly		
Located Over	EGG CREEK, 6.48, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	855:16 C1 32.688			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	02-Jun-2010		
Legal Land Location	NW SEC 33 TWP 56 RGE 16 W4M			Data Entry By	Jill Potts		
Longitude, Latitude	-112:19:55, 53:52:59			Data Entry Date	01-Jul-2010		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA14			Review Date	24-Jun-2010		
Clear Roadway/Skew	8.2 /			Dept. Reviewer Name	Chris Black		
AADT/Year	1,040 / 2009 (A)			Dept. Review Date	06-Jul-2010		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	3						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 67 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								
Hazard Marker At Bridge (Y/N)	Yes							
Remarks								
Other Sign Types								

Utilities (Located at)			
Utility Attachments			
Telephone	East ditch.		Gas
Power	3 wires 13m West of c/l.		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Bridge is within town limits. Speed limit 50 kph.
Vertical Alignment		8	8	
Roadway Width (m)	8.000			Width shown is in rural section.
Approach Bump		4	6	
Guardrail (Y/N)	Yes			There are sections of flexbeam that have been flattened. No thrie beam transition, not required.
Guardrail		3	4	
Length (m)	23.100			
Current Standard (Y/N)	Yes			
Termination Type	Turn Down			
Drainage		4	4	Storm sewer outlet in West ditch to South of bridge is undermining approach embankment.
Approach Road General Rating		3	8	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 4.9, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now					
Wearing Surface			5	7	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	7	
Deck Joints			N	N	
Bump (Y/N)		Yes			
Deck Drainage			5	6	
Drains Clogged (Y/N)		No			
Curbs/Median			N	4	
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			4	6	
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			8	7	
(Type : GALVANIZED POST STEEL;GALVANIZED 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	0			3	
Now	8			1	
Girders			3	3	
Last Complete Inspection Date		22-Mar-2007		(3/10 interior girders rated "3" due to wide cracking/spall in AZ, worst being G9. 22/Mar/2007) No access due to water & silt, previous 3 count with "3" rating. West girder cracking both legs in AZ. There is patching along the exterior girders. Curb pocket grout is poor.	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 10)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	3	

Substructure					
Bridge Component	Last	Now	Explanation of Condition		
Abutments					
(Extended Backwall Piles (Y/N) : Y)			Piles not anchored.		
(Extended Backwall Piles Spacing(mm) :)					
(Total Number of Caps/Corbels : 3:3)			New caps installed, partially wrapped. Shim on top of caps.		
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now					
Bearing Seats/Caps/Corbels			4	7	
(Type : TREATED TIMBER)					
(Depth(mm) :)					
(Width(mm) :)					
Backwalls/Breastwalls			4	5	
Greatest Height (m)	2.70				
Wingwalls			3	4	
(Total Number of Bearing Piles : 6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	8				
Piles			4	5	
Paint/Coating			X	X	
Abutment Stability			4	5	
Scour/Erosion			N	5	
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	7	
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			2 old piles.
Substructure General Rating		4	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Channel skewed to bridge U/S and D/S. (Recently dredged by Alberta Environment. 22/Mar/2007)
(D/S Direction : E)				
Alignment		5	5	
Bank Stability		N	5	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		N	5	Class 1m against both abutments.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	7	
(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	2011	Seal curbs, re-grout lift pockets.					
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION	2010	Repair SW erosion @ toe drainage pipe and armour.					
PLACE ADDITIONAL RIP RAP	2011	5m3/Class I					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION	2011	Sleeve NP3. If not yet done.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	38.9/44.4	Sufficiency Rating (Last/Now) (%)	46.4/59.2	Est. Repl. Yr	2020	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	No action for girders with "3" rating.		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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	02-Sep-2013		Previous Inspection Date	22-Mar-2007			
Inspection Cycle (Default) (months)	39						
Comment							