

Bridge Inspection							
Bridge File Number	71821 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1989/1989			Lot No.	4		
Bridge or Town Name	FAIRVIEW			Inspector Name	Brian Pientsch		
Located Over	HINES CREEK, 8.10.80, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	682:02 C1 12.401			Assistant Name	Russel Vanderschaaf		
Water Body Cl./Year				Assistant Class	BR CLS B		
Navigabil. Cl./Year				Inspection Date	19-Jun-2012		
Legal Land Location	NE SEC 35 TWP 81 RGE 5 W6M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-118:39:42, 56:04:07			Data Entry Date	17-Jul-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA04			Review Date	15-Jul-2012		
Clear Roadway/Skew	9 / 0 deg.			Dept. Reviewer Name	David Morrison		
AADT/Year	220 / 2011 (A)			Dept. Review Date	01-Nov-2012		
Road Classification	RCU-209G-90			Follow-Up By			
Detour Length (km)	15						
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	CS750						----> 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)	In Advance (Y/N)	At Bridge (Y/N)		
Posted:	Lane	WB	At Junction (Y/N)	In Advance (Y/N)	At Bridge (Y/N)		
Remarks	Not required.						
Hazard Marker At Bridge (Y/N)	No						
Remarks	Not required						
Other Sign Types	Curve						

Utilities (Located at)							
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE						
Telephone	South r/w.			Gas			
Power	S. boundary of r/w - 2 wire			Municipal			
Others	WSC Trolley D15			Problem (Y/N)	No		
Remarks	Power crosses 150m E. of structure 2- wire						

Approach Road					
		Last	Now	Explanation of Condition	
Horizontal Alignment		4	4	Bottom of sag curve. Horizontal curves posted to 65km/hr at both ends of bridge. Est. 7% grade. No passing except EBL east of bridge.	
Vertical Alignment		6	6		
Roadway Width (m)	8.400			(Approach slab settlement with ACP patching west abutment. Rough job but adequate.) ACP approaches repaired.	
Approach Bump		4	7		
Guardrail (Y/N)	Yes			Rail at NW corner is short due to rest area.	
Guardrail		6	6		
Length (m)	15.200				
Current Standard (Y/N)	No				
Termination Type	TURNED DOWN				
Drainage		3	4	0.3x0.3m (lwd) erosion gully SW, repaired but still scouring.-photo	
Approach Road General Rating		4	4		

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CBT, 3 Spans, Lengths(m): 23-26-23, 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	5	
Now					
Wearing Surface			3	7	New ACP placed. 200mmx40mm pot hole center of bridge WBL.
(Material Type : ACP)					
(Thickness(mm) : 90)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			4	7	
Deck Joints			3	7	New joints
Temperature (deg. C)		18			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
55		Abut. #1			
45		Abut. #2			
Deck Drainage			6	7	
Drains Clogged (Y/N)		No			
Curbs/Median			3	7	Crack epoxy filled
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			8	8	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	8	
(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					
Girders			5	5	Typical hairline crack at chamfer line running longitudinal.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 15)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CBT, 3 Spans, Lengths(m): 23-26-23, A-Ident Number:)				
Diaphragms/Cross Frame		7	7	End diaphragms have hairline cracks with efflorescence stains.
Bearings		8	8	At abutments Over piers
Temperature (deg. C)	18			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	Numerous narrow transverse cracks on deck underside at about 1m apart. Random narrow longitudinal cracks.
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		4	4	wide cracks along length of E & W backwalls. photo Spall repaired
Wingwalls		4	4	Wide random cracks. Worst area is where salt from joints is getting on wall. photo
Piles		N	N	
Paint/Coating		4	7	Resealed
Abutment Stability		7	7	
Scour/Erosion		4	7	repaired erosion.
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 5:5)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		8	8	east pier only.
Nose Plate		X	X	
Paint/Coating		5	5	Superficial rust on small area where West headslope has eroded/settled.
(Colour Description : GREEN)				
(Colour Code : 14090)				
Pier Stability		8	8	
Scour		4	4	Headslopes repaired, minor scouring at piers near streambed.
Debris (Y/N)	Yes			A few 200mm sized logs, & old piles in channel.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		5	5	
Bank Stability		4	4	Sharp bends u/s & d/s of structure. Slides & cutbanks u/s & d/s.
HWM (m below Top of Curb)				No HWM visible.
Drift (Y/N)	Yes			
Slope Protection		4	7	Repaired
(Type : NONE; NONE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	55.4/58.0	Est. Repl. Yr	2053	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor erosion at piers and at SW ditch.		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	Stew Hagan		Previous Assistant's Name	Kris Bosters			
Next Inspection Date	19-Sep-2015		Previous Inspection Date	07-Oct-2009			
Inspection Cycle (Default) (months)	39						
Comment							