

Bridge Inspection							
Bridge File Number	76927 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1970/1970			Lot No.	2		
Bridge or Town Name	HINTON			Inspector Name	Shane Hall		
Located Over	GREGG RIVER, 8.11.107.41, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	40:28 C1 24.941			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	16-Oct-2012		
Legal Land Location	NE SEC 6 TWP 49 RGE 24 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-117:29:45, 53:12:15			Data Entry Date	14-Nov-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA13			Review Date	12-Nov-2012		
Clear Roadway/Skew	8.5 / 20 deg. (RHF)			Dept. Reviewer Name	Brent Herrick		
AADT/Year	490 / 2011 (A)			Dept. Review Date	20-Nov-2012		
Road Classification	RAU-209-110			Follow-Up By			
Detour Length (km)	20						
Allowable Load (t):	Single	CS1 59 GIRDER	Semi	CS2 68 GIRDER	Train	CS3 79 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	Not required.						
Hazard Marker At Bridge (Y/N)	Yes						
Remarks	On approach posts. All @ varying heights.						
Other Sign Types	Information, Curve, Bridge Ahead, "Greg River" @ SE & NW.						

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

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	SE roadside turnout. Back to back horizontal curves. Hilly terrain.
Vertical Alignment		6	6	
Roadway Width (m)	11.800			Broken paving lip @ South end.-photo
Approach Bump		6	5	
Guardrail (Y/N)	Yes			No thrie beam & additional posts, no blocking.
Guardrail		7	7	
Length (m)	76.000			
Current Standard (Y/N)	No			
Termination Type	Turned Down			
Drainage		N	6	
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FC, 1 Spans, Lengths(m): 35.1, A-Ident Number:)					
Special Features					
Special Feature		8	8	30mm galvanized dywidag tierods @ int diaphragms.	
(Type : EXT LATER POST TENS)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	100	0	0	0	
Now					
Wearing Surface		N	4	Approx 20% of chipseal worn off at centerline.-photos	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N	Paved over	
Deck Rideability		7	7		
Deck Joints		N	4	(Paving lip deteriorating along South joint - photo. Trough along S. abut seat has corrosion holes at ends.-photo Fingers on Southside approx 10mm higher than deck side.-photo	
Temperature (deg. C)	3				
(Expansion Type : FINGER PLATES)					
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
Gap Size (mm)	Gap Location				
40	South				
80	North				
Deck Drainage		N	4	Ponding along gutters due to flat grade. Some weep tube stains along G1.	
Drains Clogged (Y/N)	No				
Curbs/Median		N	3	Spalling up to 25 mm deep along bottom inside face of curb approx. 30 locations.-photo Concrete adjacent to coverplate at SW and SE corner severe scale.-photo pproach curb at NW corner has severe scale and wide long. crack.-photo Insufficient thread at one post at NE corner.-photo	
(Curb Type : Standard)					
Scaling (Percent Area)	10				
Bridge Rail		7	7	(End grout pads on rail termination deteriorated. 19/Apr/2007) Base of posts snow covered.	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		7	4		
(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	0	0	2	
Now					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 1 Spans, Lengths(m): 35.1, A-Ident Number:)				
Girders		3	6	#1, 2, 5, 6 has isolated rust spots on bottom of leg. Rust stains on deck underside by weep tubes on #1 girder. G3, G4 vertical crack end of girder with rust staining.- photo. Typical FC chamfer cracks.
Cracking (Y/N)	Yes			
Spalling (Percent Area)	0			
(Number Of Girders : 6)				
Diaphragms/Cross Frame		4	4	North longitudinal crack @ G4,G5, 2.5m from A1, no change from 1997. Delam cracks G2N, G6N, G1S .
Bearings		4	4	Rust on shoe plate above stainless @ A1. Stainless steel warped & separated from shoe plate, typical - photo.
Temperature (deg. C)	3			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	No			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Efflorescence @ both ends. Typical FC chamfer cracks. Rust stains on bottom not associated with strands.
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	Yes			Slight sag profile in top bridgerail, both sides.
Horizontal (Y/N)	No			
Superstructure General Rating		3	3	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	Both abutments stained from previous leaks.
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		4	4	NW wingwall cracked causing bridge plaque to break - photo.
Piles		N	N	
Paint/Coating		4	4	Both abutment coating peeling/scaling.
Abutment Stability		7	7	
Scour/Erosion		9	9	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		8	8	Class III.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		8	8	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	8	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2013	Surface patch curb faces before applying sealer. Replace approach curb at NW corner.					
PATCH DECK	2013	Patch paving lip at South joint.					
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	2013	Replace broken NW bridge plaque & patch cracked wingwall.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	61.0/60.7	Est. Repl. Yr	2033	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girder cracking and rusting/deformed bearing plates.		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	Shane Hall		Previous Assistant's Name				
Next Inspection Date	16-Jul-2014		Previous Inspection Date	22-Nov-2010			
Inspection Cycle (Default) (months)	21						

Comment	
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