

Bridge Inspection							
Bridge File Number	08667 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1961/1961			Lot No.	1		
Bridge or Town Name	HACKETT			Inspector Name	Owen Salava		
Located Over	2ND ORDER TRIBUTARY TO GOUGH LAKE, 32.3.2, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	593:02 C1 10.556			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	15-Aug-2012		
Legal Land Location	SW SEC 4 TWP 37 RGE 17 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-112:22:29, 52:08:35			Data Entry Date	17-Sep-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA21			Review Date	04-Sep-2012		
Clear Roadway/Skew	9.1 /			Dept. Reviewer Name	Andrew Smikles		
AADT/Year	150 / 2011 (A)			Dept. Review Date	19-Oct-2012		
Road Classification	RCU-208-110			Follow-Up By			
Detour Length (km)	20						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 62 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								
Hazard Marker At Bridge (Y/N)			Yes					
Remarks			4 corners, spring type.					
Other Sign Types								

Utilities (Located at)			
Utility Attachments			
Telephone	15m South of centerline.		Gas
Power			Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Approach 30m West of bridge South side.
Vertical Alignment		9	9	
Roadway Width (m)	10.000			Insufficient posts, length.
Approach Bump		5	5	
Guardrail (Y/N)	Yes			
Guardrail		7	7	
Length (m)	7.000			
Current Standard (Y/N)	No			
Termination Type	Turn Down			
Drainage		7	7	
Approach Road General Rating		7	7	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : HH, 1 Spans, Lengths(m): 6.1, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	100					
Now	100.0	0.0	0.0	0.0		
Wearing Surface			X	X		
(Material Type :)						
(Thickness(mm) :)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N	Deck top gravel covered. Lift hook pockets not patched - photo.	
Deck Rideability			5	5		
Deck Joints			X	X		
Bump (Y/N)		No				
Deck Drainage			5	5		
Drains Clogged (Y/N)		No				
Curbs/Median			6	6	Curb spall at SW corner near bridgerail post.	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			4	4	Double layer. Missing 8 splice bolts. SW post concrete, minor spall. Paint 40% worn on posts.	
(Type : GALVANIZED STEEL FLEX BEAM)						
Bridge Rail Posts			5	4		
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating			4	4		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last				1		
Now	0	0	0	1		
Girders			3	3	Minor cracking on legs. Long crack S curb girder. Cracks in soffit, 3rd interior from N. Medium shear cracks G8 W end. Spall in AZ G2 W end. G4 spalling 1 leg outside AZ.	
Last Complete Inspection Date		14-Aug-2012				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		1				
Lift or Connector Pocket Grouted (Y/N)		No				
(Number Of Girders : 11)						
Span Alignment Problems						
Vertical (Y/N)		No			South curb 40mm gap to G2.	
Horizontal (Y/N)		Yes				
Superstructure General Rating			3	3		

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 : 4:4)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				6	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls				6	6	
Greatest Height (m)		1.70				
Wingwalls				6	6	
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Piles				6	6	
Paint/Coating				X	X	
Abutment Stability				6	6	
Scour/Erosion				6	6	
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				4	4	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Pier Stability				X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	Yes			Old piles in streambed, 1 pushing on strut - photo.
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(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	2012	Add 8 splice bolts.								
SEAL CURBS										
PATCH DECK	2012	Grout lift hook pockets on girders.								
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	2012	Cut off old piles.								
INSTALL STRUTS	2012	2 struts.								
OTHER ACTION	2012	Replace posts with refurbished.								
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	59.2/58.7	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes			
Special Comments for Next Inspection	Monitor crack in girders.		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	Owen Salava	Previous Assistant's Name								
Next Inspection Date	15-Nov-2015	Previous Inspection Date	07-Oct-2009							
Inspection Cycle (Default) (months)	39									
Comment										

Maintenance Recommendations

Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2012	Add 8 splice bolts.	Programmed	2015		
SEAL CURBS						
PATCH DECK	2012	Grout lift hook pockets on girders.	Programmed	2015		
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	2012	Cut off old piles.	Programmed	2015		
INSTALL STRUTS	2012	2 struts.	Programmed	2015		
OTHER ACTION	2012	Replace posts with refurbished.	Programmed	2015		
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	59.2/58.7	Est. Repl. Yr	2025	Maint. Req. (Y/N) Yes
Special Comments for Next Inspection	Monitor crack in griders.		Department Comments	Currently programmed for replacement in 2017.		
Maintenance Reviewed By	Andrew Smikles		Date	19-Nov-2012	Estimated Total	0
Proposed Long-Term Strategy						
On 3-Year Program (Y/N)						
Proposed Action						
Previous Inspector's Name	Owen Salava		Previous Assistant's Name			
Next Inspection Date	15-Nov-2015		Previous Inspection Date	07-Oct-2009		
Inspection Cycle (Default) (months)	39					

Comment	
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