

Bridge Inspection							
Bridge File Number	13067 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1973/1973			Lot No.	1		
Bridge or Town Name	HUSSAR			Inspector Name	Jon Davies		
Located Over	DEADHORSE CREEK, 15.1, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	56:06 C1 35.909			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	29-Nov-2011		
Legal Land Location	NW SEC 20 TWP 25 RGE 19 W4M			Data Entry By	Alyssa Boynton		
Longitude, Latitude	-112:37:59, 51:09:07			Data Entry Date	09-Dec-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Garry Roberts		
Contract Main. Area	CMA30			Review Date	07-Dec-2011		
Clear Roadway/Skew	11 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	840 / 2010 (A)			Dept. Review Date	15-Dec-2011		
Road Classification	RAU-211.8-110			Follow-Up By			
Detour Length (km)	3						
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 75 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	Markers are 300 mm off line.						
Other Sign Types							

Utilities (Located at)				
Utility Attachments				
Telephone	West ditch		Gas	Crosses road to south.
Power	3 wire at east fence.		Municipal	
Others	Fibre optics cable east row.		Problem (Y/N)	No
Remarks	Phone line exposed and draped into creek on W. side.			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		9	9	Straight
Vertical Alignment		8	8	
Roadway Width (m)	11.000			Improper lap NW approach Not thriebeam
Approach Bump		8	8	
Guardrail (Y/N)	Yes			
Guardrail		4	4	
Length (m)	11.400			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS			
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>8</b>	<b>8</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>HC, 1 Spans, Lengths(m): 8.5, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			8	8	Recently paved
(Material Type : <b>ACP - CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Paved over
Deck Rideability			8	8	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			3	3	Spalls on NW curbs from snow plow Wide crack & spall above patch on leg & curb 200x400 spall at West curb top
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			4	4	LAPPED INCORRECTLY @ NW & SE double layer
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			6	6	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	1	
Girders			4	3	East curb is new Patch @ west curb leg - Delaminated.  8 of 13 narrow shear crk & 3/13 have stains.  10 have medium to wide longitudinal cracks Worst are two with wide crack in one web in anchorage zone with medium cracks in other web @ midpoint. G9 - medium width shear crack at North end East leg. In addition G9 has narrow shear crack with wide crack in AZ at North end west leg.
Last Complete Inspection Date		29-Nov-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		2			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>13</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			Transverse crk @ deck underside G12 extending both legs at mid span.
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>4</b>	<b>3</b>	

Substructure							
Bridge Component		Last	Now	Explanation of Condition			
<b>Abutments</b>							
(Extended Backwall Piles (Y/N) : Y)				6 x 12 TT on top of south abut cap. is getting soft @ westend of x612 @ south			
(Extended Backwall Piles Spacing(mm) : 1600)							
(Total Number of Caps/Corbels : 5:3)				Checked @ east			
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)			3 (count)	
<b>Last</b>	0	0	0			0	
<b>Now</b>	0	0	0			0	
Bearing Seats/Caps/Corbels						5	5
(Type : TREATED TIMBER)							
(Depth(mm) : 350)							
(Width(mm) : 300)							
Backwalls/Breastwalls			7			7	
Greatest Height (m)		2.80					
Wingwalls			7	6			
(Total Number of Bearing Piles : 8:8)				SW PILE HAS 10 mm SPLIT-banded			
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)			3 (count)	
<b>Last</b>	0	0	0			0	
<b>Now</b>	0	0	0			0	
Piles						6	6
Paint/Coating						X	X
Abutment Stability						7	7
Scour/Erosion						N	N
						Under water	
<b>Piers/Bents</b>							
(Type : )							
(Total Number of Caps/Corbels : )							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>							
<b>Now</b>							
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)			
<b>Last</b>							
<b>Now</b>							
Pier Shaft/Piles				X	X		
Greatest Height (m)							
Bracing/Struts/Sheathing			X	X			
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			
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>E</b> )				Shallow banked channel meanders thru wide valley.
(D/S Direction : <b>W</b> )				
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 : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>6</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS	2012	Repair delamited patch & spall on West curb unit.					
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>50.0/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>64.7/62.2</b>	Est. Repl. Yr	2020	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	29-Aug-2013		Previous Inspection Date	13-May-2010			
Inspection Cycle (Default) (months)	21						
Comment							