

Bridge Inspection									
Bridge File Number	84075 W-2 Bridge				Form Type	PCS			
Year Built/Year Supstr	2004/2004				Lot No.	4			
Bridge or Town Name	DEADMAN'S FLATS				Inspector Name	Garry Roberts			
Located Over	TRAIL-ANIMAL				Inspector Class	BR CLS A			
Located On	1:02 R1 16.339				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	08-Feb-2012			
Legal Land Location	SW SEC 18 TWP 24 RGE 9 W5M				Data Entry By	Erin Roberts			
Longitude, Latitude	-115:14:47, 51:02:24				Data Entry Date	16-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA28				Review Date	22-Feb-2012			
Clear Roadway/Skew	12.7 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	17,090 / 2011 (A)				Dept. Review Date	29-Mar-2012			
Road Classification	RFD-412.4-130				Follow-Up By				
Detour Length (km)	1								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:							----> Primary Span		

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)	No											
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks	Not Req											
Required Load Posting (t)	Single				Semi				Truck Train			
Posted Loading (t)	Single				Semi				Truck Train			
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Posted:	Lane	EB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)					
Remarks	Not Req											

Hazard Marker At Bridge (Y/N)	No										
Remarks											
Other Sign Types											

Utilities (Located at)									
Utility Attachments									
Telephone					Gas	North Row			
Power	3 w 60m East				Municipal				
Others	RWIS station NE.				Problem (Y/N)	No			
Remarks									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Missing 2 splice bolts at NW and SW.
Vertical Alignment		7	7	
Roadway Width (m)	12.700			
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		7	4	
Length (m)	99.000			
Current Standard (Y/N)	Yes			
Termination Type	turndown			
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SCM, 1 Spans, Lengths(m): 16, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature					
(Type : )					
Special Feature					
(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			6	6	Medium wide Longitudinal cracks @ 1200mm between girders Widespread narrow map cracks
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>150</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	7	
Deck Joints			8	7	Buffer angles
Bump (Y/N)		No			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	Parapets
(Curb Type : <b>SINGLE SLOPE CONCRETE BARRIER</b> )					
Scaling (Percent Area)		0			
Bridge Rail			X	X	
(Type : )					
Bridge Rail Posts			X	X	
(Type : )					
Bridge Rail/Posts Coating			X	X	
(Type : )					
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	0	
Girders			8	8	Minor hairline cracks. 1 diagonal H/L crack at G2 East end.
Last Complete Inspection Date		08-Feb-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>11</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>8</b>	<b>8</b>	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : <b>N</b> )					
(Extended Backwall Piles Spacing(mm) : )					
(Total Number of Caps/Corbels : <b>1:1</b> )					
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			8	8	
(Type : <b>CONCRETE</b> )					
(Depth(mm) : <b>4000;500</b> )					
(Width(mm) : <b>500;4000</b> )					
Backwalls/Breastwalls			8	8	
Greatest Height (m)		3.50			
Wingwalls			8	8	
(Total Number of Bearing Piles : <b>0:0</b> )			Buried.		
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	10	0	0	0	
<b>Now</b>	10	0	0	0	
Piles			N	N	
Paint/Coating			X	X	
Abutment Stability			8	8	
Scour/Erosion			8	8	
<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>8</b>	<b>8</b>	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		X	X	Animal underpass.
Traffic Safety Features		X	X	
Type				
Slope Protection		7	7	Some Cl. 1 and 2.
(Type : NATURAL; NATURAL)				
Bank Stability		8	8	
Drainage		7	7	
<b>Grade Separation General Rating</b>		<b>7</b>	<b>7</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
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>88.9/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>70.9/70.9</b>	Est. Repl. Yr	2058	Maint. Req. (Y/N)	No
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	08-Nov-2013		Previous Inspection Date	27-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							