

Bridge Inspection										
Bridge File Number	82400 W-2 Bridge				Form Type	SG				
Year Built/Year Supstr	2006/2006				Lot No.	3				
Bridge or Town Name					Inspector Name	Garry Roberts				
Located Over	WEST NOSE CREEK, 2.13.32.1, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	201:08 L1 15.109				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	20-Aug-2011				
Legal Land Location	SW SEC 29 TWP 25 RGE 1 W5M				Data Entry By	Erin Roberts				
Longitude, Latitude	-114:06:48, 51:09:31				Data Entry Date	07-Sep-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey				
Contract Main. Area	DEERFOOT/STONE Y				Review Date	24-Aug-2011				
Clear Roadway/Skew	13.3 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	29,320 / 2010 (A)				Dept. Review Date	08-Sep-2011				
Road Classification	RFD-412.4-130				Follow-Up By					
Detour Length (km)	1									
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member			
Design Loading:							----> Primary Span			

Posting Information									
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'd								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	In area				Municipal					
Others	Light Standards				Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7					
Vertical Alignment			7	7					
Roadway Width (m)	15.000				Bump and potholes at both approaches. East is worst.				
Approach Bump			8	3	Thriebeam- 10m at exiting end 50m at approach.				
Guardrail (Y/N)	Yes								
Guardrail			8	8					
Length (m)	10.000								
Current Standard (Y/N)	Yes								
Termination Type	Attenuation								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 1 Spans, Lengths(m): 43, A-Ident Number: A1696-01)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface		8	6	Transverse cracking at East end from impact loading of approach bump.	
(Material Type : MIX TYPE 1 ACP)					
(Thickness(mm) : 90)					
Deck Top		N	N	Paved over.	
Deck Rideability		8	4	Due to approach bump causing impact loading.	
Deck Joints		X	X		
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage		7	7		
Drains Clogged (Y/N)		No			
Curbs/Median		8	8		
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail		9	8		
(Type : STEEL BRIDGE TUBE)					
Bridge Rail Posts		9	8		
(Type : GALVANIZED POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating		8	8		
(Type :)					
Sidewalk		X	X		
Girder/Beam					
Cover Plate		X	X		
Flange		8	8		
Web		8	8		
Stiffeners		8	8		
Splice		X	X		
Weld		8	8		
Diaphragms/Cross Frame		8	8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 1 Spans, Lengths(m): 43, A-Ident Number: A1696-01)				
Paint Condition		X	X	Weathering steel
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		8	8	
Temperature (deg. C)	21			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		8	8	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		8	8	
Paint/Coating		8	8	Graffiti at both ends.
Abutment Stability		9	8	
Scour/Erosion		7	7	
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	
Debris (Y/N)	No			
Substructure General Rating		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Pathways at both abuts.
(D/S Direction : S)				Curve U/S
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK	2011	Seal transverse crack East end- from bump					
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2011	Exacavate and transition paving at both ends- causing impact loading on bridge.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	67.6/64.4	Est. Repl. Yr	2078	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	20-May-2013		Previous Inspection Date	23-Nov-2009			
Inspection Cycle (Default) (months)	21						
Comment							