

Bridge Inspection										
Bridge File Number	82400 E-1 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 R1 15.301				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	-114:06:46, 51:09:30				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)		In Advance (Y/N)		At Bridge (Y/N)		
Posted:	Lane	EB	At Junction (Y/N) No		In Advance (Y/N) No		At Bridge (Y/N) No		
Remarks	Not req.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not Req'd								
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	Approx 60mm settlement and potholes developing at both approaches.				
Vertical Alignment			7	7					
Roadway Width (m)	15.000				At NE- 58m at SE- Continuous at West end Wrong lap at NE and SE				
Approach Bump			8	4					
Guardrail (Y/N)	Yes								
Guardrail			8	4					
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: A1695-01)					
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	8	
(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 on bridge.
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			8	8	
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; GALVANIZED 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	8	
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: A1695-01)				
Paint Condition		X	X	weathering steel
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)				
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	West end is graffiti covered
Wingwalls		8	8	
Piles		8	8	4 drilled piles each abut.
Paint/Coating		8	8	
Abutment Stability		8	8	
Scour/Erosion		7	5	Minor erosion gully at West headslope.
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)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		8	6	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)		No		
Slope Protection		7	6	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	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							
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	Excavate and transition paving at both approaches currently causing impact loading on bridge.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	70.1/64.4	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							