

Bridge Inspection									
Bridge File Number	82400 NE-3 Bridge				Form Type	SG			
Year Built/Year Supstr	2009/2009				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	RAMP 2826-1 D				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	-114:06:45, 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	9.2 /				Dept. Reviewer Name	Tim Davies			
AADT/Year					Dept. Review Date	08-Sep-2011			
Road Classification					Follow-Up By				
Detour Length (km)									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62	
Design Loading:	CL800							----> On Critical Spans ---->Critical Member	
								----> 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)		In Advance (Y/N)		At Bridge (Y/N)		
Remarks	Not req.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not req.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	In area				Municipal				
Others	Light standards				Problem (Y/N)	No			
Remarks									
Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			6	6	E/B merge lane to E/B Stoney Trail				
Vertical Alignment			6	6					
Roadway Width (m)	9.000				Bump from settlement and potholes developing at both approaches				
Approach Bump			7	3					
Guardrail (Y/N)	Yes				Thriebeam				
Guardrail			8	8	At NW- continuous at 3 other corners				
Length (m)	55.000								
Current Standard (Y/N)	Yes								
Termination Type	Attenuation								
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>WG, 1 Spans, Lengths(m): 43, 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	
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>90</b> )					
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			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			9	8	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			9	8	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			8	8	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
<b>Girder/Beam</b>					
Cover Plate			X	X	
Flange			9	8	
Web			9	8	
Stiffeners			9	8	
Splice			X	X	
Weld			9	8	
Diaphragms/Cross Frame			9	8	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>WG, 1 Spans, Lengths(m): 43, A-Ident Number: )</b>				
Paint Condition		X	X	Weathering Steel
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings		9	8	
Temperature (deg. C)	21			
(Expansion Type : <b>REINFORCED PAD BEARING</b> )				
(Fixed Type : )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		9	8	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>9</b>	<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		9	8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		8	8	3 drilled piles each abut.
Paint/Coating		8	8	
Abutment Stability		9	8	
Scour/Erosion		7	4	Erosion gullies at both headslopes and 1m deep along SE wing.
<b>Piers/Bents</b>				
(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			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	

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

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	2011	Repair abut headslope erosion approx 15m3 pit run					
PLACE ADDITIONAL RIP RAP	2011	Excavate and transition pave at approaches					
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>94.4/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>75.3/77.2</b>	Est. Repl. Yr	2081	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							