

Bridge Inspection							
Bridge File Number	02401 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1959/1959			Lot No.	2		
Bridge or Town Name	ISLAY			Inspector Name	Jason Saly		
Located Over	VERMILION RIVER, 6.5, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	893:04 C1 11.756			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	29-Nov-2012		
Legal Land Location	NW SEC 33 TWP 51 RGE 4 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-110:32:48, 53:26:51			Data Entry Date	14-Jan-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA15			Review Date	14-Dec-2012		
Clear Roadway/Skew	7.9 /			Dept. Reviewer Name	Andrew Smikles		
AADT/Year	290 / 2011 (A)			Dept. Review Date	17-Jan-2013		
Road Classification	RCU-210-110			Follow-Up By			
Detour Length (km)	3						
Allowable Load (t):	Single	CS1 44 GIRDER	Semi	CS2 60 GIRDER	Train	CS3 78 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	NW has minor damage, O.K.							
Other Sign Types	Narrow bridge. 6% grade 1km.							

Utilities (Located at)			
Utility Attachments			
Telephone	West side.		Gas
Power	3 wire OH 70m West r/w.		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		9	8	Steep grades up in both directions. 7% to north and 6% to south.
Vertical Alignment		6	6	
Roadway Width (m)	11.000			
Approach Bump		7	7	
Guardrail (Y/N)	Yes			Minor creasing.
Guardrail		7	6	
Length (m)	31.000			
Current Standard (Y/N)	No			Lacks 1 post at each corner for old standard but not thrie beam.
Termination Type	Turn Down			
Drainage		4	N	Snow covered. Erosion gully starts at NW corner.
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PO, 2 Spans, Lengths(m): 23.8-23.8, A-Ident Number:)					
Special Features					
Special Feature		8	8		
(SType : EXT SHEAR STIRRUP)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow/ice covered.
Last	40				
Now	30.0	0.0	0.0	0.0	
Wearing Surface		8	4	O/L cast with vertical sag curve to match road profile. Chip sealed, some loss of chips along centerline.	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N		
Deck Rideability		8	8		
Deck Joints		3	6		
Temperature (deg. C)		-17			
(Expansion Type : THERMOPLASTIC POLYMER)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
		North abut - A2 - Exp			
		Pier -			
		South abut - A1 - Exp			
Deck Drainage		8	4	SW abut stained from old jnt leakage. Erosion gully at NW. Staining & cracking around deck drains.	
Drains Clogged (Y/N)		No			
Curbs/Median		7	N	Snow covered.	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail		8	8		
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		8	7		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		8	8		
(Type : GALVANIZED)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders		6	6	Minor shoe cracks at bearings.	
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : 16)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 2 Spans, Lengths(m): 23.8-23.8, A-Ident Number:)				
Diaphragms/Cross Frame		7	7	All painted 503-105 green.
Bearings		6	6	Anchor bolts cut off flush and welded to bearing plates on 80%.
Temperature (deg. C)	-17			
(Expansion Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	7	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			S abut raised in 1985 to match sag curve of road.
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	4	Scaling & poor patching at S abut; jnts appear to be waterproof, no further action required at this time.
(Type : CONCRETE)				
Backwalls/Breastwalls		6	5	SW wall heavily stained.
Wingwalls		7	7	SE has minor cracking at end.
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		4	4	Minor surface water erosion @ NW hslp; no problems no action required a this time.
Piers/Bents				
(Type : PIER-SOLID)				Noticable horizontal cold joint on North face of pier.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				Stained due to previous heavy leakage.
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	6	Surface corrosion.
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	N	Ice covered
Debris (Y/N)	No			
Substructure General Rating		7	4	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		8	N	Riprap installed across N hslp. Snow covered.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	8	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Extend deck drains & seal at deck underside.					
OTHER ACTION	2013	Spray patch seal coat when next on site.					
OTHER ACTION	2013	Repair erosion; check drainage at NW corner.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/55.6	Sufficiency Rating (Last/Now) (%)	71.2/65.5	Est. Repl. Yr	2035	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Total	0	
Proposed Long-Term Strategy	2007.04.06 Place chip seal by 2010.						
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Owen Salava		Previous Assistant's Name				
Next Inspection Date	29-Feb-2016		Previous Inspection Date	25-Jan-2010			
Inspection Cycle (Default) (months)	39						
Comment							