

Bridge Inspection									
Bridge File Number	75534 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1966/1966				Lot No.	2			
Bridge or Town Name	ORION				Inspector Name	Jon Davies			
Located Over	ERICKSON COULEE, 11.1.1.1, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	887:02 C1 13.752				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	24-Jun-2012			
Legal Land Location	NW SEC 6 TWP 5 RGE 6 W4M				Data Entry By	Lauren Korte			
Longitude, Latitude	-110:48:47, 49:21:21				Data Entry Date	25-Jul-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA24				Review Date	09-Jul-2012			
Clear Roadway/Skew	8.4 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	90 / 2011 (A)				Dept. Review Date	30-Jul-2012			
Road Classification	RCU-208-110				Follow-Up By				
Detour Length (km)	5								
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 65 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 req.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	"Slippery when wet" caution signs North and South.								
Utilities (Located at)									
Utility Attachments									
Telephone	West side.				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9	Not thriebeam.				
Vertical Alignment			9	9					
Roadway Width (m)	8.000								
Approach Bump			6	5					
Guardrail (Y/N)	Yes								
Guardrail			X	8					
Length (m)	15.200								
Current Standard (Y/N)	No								
Termination Type	TURN DOWN								
Drainage			7	7					
Approach Road General Rating			9	9					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 6.1, A-Ident Number:)					
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			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			7	6	Minor gravel abrasion.
Deck Rideability			7	6	
Deck Joints			4	4	Buffer angles removed at South end G2,G4,G5, G9. Minor.
Bump (Y/N)		Yes			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Minor chips and spalls.
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			5	8	Double layer. White paint peeling on posts.
(Type : STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			4	4	
(Type : PAINT)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	10	0	0	0	
Girders			6	N	P.R 6. (Some hairline crks in all the girders) 14-Jun-2009. Not accessible due to high water.
Last Complete Inspection Date		14-Jun-2009			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 10)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			6	6	G.R carried forward.

Substructure						
Bridge Component			Last	Now	Explanation of Condition	
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1400)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0	P.R 6. Not accessible due to high water.	
Now	6	0	0	0		
Bearing Seats/Caps/Corbels				6	N	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls				4	N	(Backwall movement on the South with some loss of material) 14-Jun-2009. P.R 4.
Greatest Height (m)		1.70				
Wingwalls				6	5	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0	Unable to confirm pile count. Estimate. P.R 5.	
Now	10	0	0	0		
Piles				5	N	
Paint/Coating				X	X	
Abutment Stability				4	N	P.R 4.
Scour/Erosion				4	N	P.R 4. (LARGE HOLE UNDER BRIDGE 2.0 M DEEP) 14-Jun-2009.
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
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)		
Last						
Now						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				6	N	200 x 150 T.T struts.
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			
Substructure General Rating		4	4	G.R carried forward.
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection (Type :)		6	N	P.R 6.
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION	2012	REPAIR BACKWALL AT South ABUTMENT- place 4 rows streamside planks each abut.					
PLACE ADDITIONAL RIP RAP	2012	Fill scour hole - 20m3 Cl.1 rock.					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	71.6/69.4	Est. Repl. Yr	2020	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	24-Sep-2015		Previous Inspection Date	14-Jun-2009			
Inspection Cycle (Default) (months)	39						
Comment							