

Bridge Inspection											
Bridge File Number	70906 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1955/1955				Lot No.	2					
Bridge or Town Name	ONOWAY				Inspector Name	Kris Bosters					
Located Over	KILINI CREEK, 6.65.19, WATERCRS-ST				Inspector Class	BR CLS A					
Located On					Assistant Name	Brian Cote					
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	20-Jul-2012					
Legal Land Location	SW SEC 18 TWP 54 RGE 1 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-114:08:29, 53:39:27				Data Entry Date	31-Jul-2012					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA11				Review Date	31-Jul-2012					
Clear Roadway/Skew	6.4 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year					Dept. Review Date	02-Aug-2012					
Road Classification	RLU-207G-60				Follow-Up By						
Detour Length (km)	999										
Allowable Load (t):	Single	CS1 28 GIRDER			Semi	CS2 49 GIRDER			Train	CS3 62 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	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No		
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No		
Remarks										
Hazard Marker At Bridge (Y/N)	Yes									
Remarks	Not to std height, target practice on sign, some defacing. SE corner missing. Brush covering NW.									
Other Sign Types										

Utilities (Located at)										
Utility Attachments										
Telephone	North r/w.				Gas	South r/w, 10m U/S.				
Power	2 lines 9 m south c/l.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Bridge is located in bottom of sag curve with hills estimated @ 8% in both directions. Limited sight distance. Looking East.					
Vertical Alignment		4	4						
Roadway Width (m)	6.400								
Approach Bump		5	5						
Guardrail (Y/N)	No								
Guardrail		X	X						
Length (m)									
Current Standard (Y/N)	No								
Termination Type									
Drainage		4	4	Down cutting and erosion at NW,SE.					
Approach Road General Rating		4	4						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PG, 1 Spans, Lengths(m): 8.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	100	0	0	0	
Now	100.0				
Wearing Surface			X	X	50mm gravel.
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	30 mm gap between girder 7 & 8 and 2 & 3 with rounding edges - photo. There is 30mm gap between 2 sets of girders. Longitudinal crack outside anchorage zone on 1 leg of G1. G2 & G3, G7 & G8. G2 has wide crack/spall outside AZ in 1 leg . Rebars exposed @ girder end, missing buffer angle & spalled - photo. 24/Nov/2005) Unable to confirm if lift pockets are grouted. There is 30mm gap between 2 sets of girders. Longitudinal crack outside anchorage zone on 1 leg of G1. G2 & G3, G7 & G8. G2 has wide crack/spall outside AZ in 1 leg . Rebars exposed @ girder end, missing buffer angle & spalled - photo. 24/Nov/2005) Unable to confirm if lift pockets are grouted.
Deck Rideability			6	6	
Deck Joints			N	N	(Buffer angles. 24/Nov/2005) Gravel covered.
Bump (Y/N)		No			
Deck Drainage			4	4	Gravel impeded drainage.
Drains Clogged (Y/N)		Yes			
Curbs/Median			4	4	Both curbs are spalled at post anchors, 3 spalls/curb - photo. Grader damage along girder faces and corners with exposed rebar.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			6	6	Missing post to rail bolts. 3" x 8" rough green treated rail and 2 ply for posts. 1 anchor bolt missing on 6/10 posts. Missing post to curb bolt - photo #2. No coating.
(Type : BRIDGE SOLID BEAM (EX. TIMBER RAILS))					
Bridge Rail Posts			3	3	
(Type : TREATED TIMBER)					
Bridge Rail/Posts Coating			X	X	
(Type :)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			5	5	There is 30mm gap between 2 sets of girders. Longitudinal crack outside anchorage zone on 1 leg of G1. G2 & G3, G7 & G8. G2 has wide crack/spall outside AZ in 1 leg . Rebars exposed @ girder end, missing buffer angle & spalled - photo. 24/Nov/2005) Unable to confirm if lift pockets are grouted.
Last Complete Inspection Date		20-Jul-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 9)					

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : PG, 1 Spans, Lengths(m): 8.5, A-Ident Number:)						
Span Alignment Problems						
Vertical (Y/N)	No					
Horizontal (Y/N)	No					
Superstructure General Rating				5	5	
Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now						
Bearing Seats/Caps/Corbels				6	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 305)						
Backwalls/Breastwalls				5	5	Bottom of both B/W are visible.
Greatest Height (m)		3.80				
Wingwalls				4	4	Leaning. SW wingwall heaving SE, SW & NE wingwalls are leaning into stream side. Lack of fill behind wingwalls, typical. NE WW cracked plank near base.
(Total Number of Bearing Piles : 5:5)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						Pile #1 West abutment have wide vertical cracks under water - photo. B/W height above standard. 24/Nov/2005) Recently cored A1P1 rated '4'
Now						
Piles				4	4	
Paint/Coating				X	X	
Abutment Stability				5	5	
Scour/Erosion				5	5	
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) :)						

Substructure							
Bridge Component					Last	Now	Explanation of Condition
(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					7	7	6 x 8 timber struts.
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					4	4	

Structure Usage							
					Last	Now	Explanation of Condition
Channel							
(U/S Direction : S)							
(D/S Direction : N)							
Alignment					6	6	
Bank Stability					5	5	
HWM (m below Top of Curb)							HWM not visible.
Drift (Y/N)		Yes					
Slope Protection					5	5	
(Type : NATURAL; NATURAL)							
Guidebank/Spurs					X	X	
Adequacy of Opening					6	6	
(Fish Compensation Measure 1 : NONE)							
(Fish Compensation Measure 2 : NONE)							
Channel General Rating					5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Replace missing anchor bolts and post to rail bolts.					
SEAL CURBS	2012	Patch curbs @ post anchor connectors.					
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Remove gravel from roadway.					
OTHER ACTION	2012	Replace 1 hazard marker, reset others.					
OTHER ACTION	2012	Remove brush from around hazard markers.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	42.7/68.1	Est. Repl. Yr	2016	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Bridge due for replacement in 2013. Local residents are on East side of bridge.		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	Eric Carcoux		Previous Assistant's Name	Brian Cote			
Next Inspection Date	20-Apr-2017		Previous Inspection Date	09-Jun-2011			
Inspection Cycle (Default) (months)	57						
Comment							