

Bridge Inspection							
Bridge File Number	00101 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1962/1962			Lot No.	1		
Bridge or Town Name	ONOWAY			Inspector Name	Melanie Johnson		
Located Over	TOAD CREEK, 6.65.18, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	37:02 C1 10.331			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	07-Nov-2011		
Legal Land Location	SE SEC 8 TWP 55 RGE 1 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-114:06:17, 53:43:53			Data Entry Date	19-Nov-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA09			Review Date	13-Nov-2011		
Clear Roadway/Skew	10.1 /			Dept. Reviewer Name	Brent Herrick		
AADT/Year	2,530 / 2010 (A)			Dept. Review Date	15-Dec-2011		
Road Classification	RAU-209-110			Follow-Up By			
Detour Length (km)	3						
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 75 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	Not required.							
Hazard Marker At Bridge (Y/N)	No							
Remarks	Not required.							
Other Sign Types	Curve, 90 km/hr.							

Utilities (Located at)			
Utility Attachments			
Telephone	South r/w.	Gas	
Power	3 wires North r/w. 2 power lines 40 m East of bridge.	Municipal	
Others		Problem (Y/N)	No
Remarks	Abandoned telephone wire wrapped around SE wingwall pile.		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Sag & curve to West. Limited sight distance. No passing westbound.
Vertical Alignment		6	6	
Roadway Width (m)	8.000			Approaches lower than deck surface.
Approach Bump		6	6	
Guardrail (Y/N)	Yes			
Guardrail		4	5	
Length (m)	30.400			
Current Standard (Y/N)	No			
Termination Type	Turned Down			
Drainage		6	6	
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 3 Spans, Lengths(m): 8.5-8.5-8.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	3	
Now	0.0	0.0	0.0	3.0	
Wearing Surface			3	3	Patch EBL west end. 2 medium, 1 wide longitudinal crack between units. Centerline construction joints. Overlay has saw cuts over the piers ~25mm. 2.5mx1m area over P1 is cracked up. Pot hole @ W abutment ~1000mmx200mm.-photo
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			5	5	
Deck Joints			N	N	Paved over.
Bump (Y/N)		Yes			
Deck Drainage			4	4	Erosion on headslopes due to leakage at abutment joint.
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			4	4	Double layer. Missing 4 splice bolts at every lap-24 laps total.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			4	4	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			6	6	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	10	
Now	12	0	0	2	
Girders			3	3	Girder ends deteriorating over piers. Repaired punchouts in S1G7. Several girder leg spalls patch-photo Spall in anchorage zone one leg, sound concrete. Sp3 G8,9,10, Sp1 G2,4,10-spall in anchorage -20m 2 legs, sound concrete. Sp3G7,Sp1G11-photo
Last Complete Inspection Date		09-Jun-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		2			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 36)					
Span Alignment Problems					
Vertical (Y/N)		No		25mm horizontal misalignment at P1 between S1 & S2.	
Horizontal (Y/N)		Yes			
Superstructure General Rating			3	3	

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 : 2:2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				5	5	
(Type : STEEL)						
(Depth(mm) : 700)						
(Width(mm) : 375)						
Backwalls/Breastwalls				6	6	
Greatest Height (m)		2.10				
Wingwalls				5	5	
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	18	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				6	6	
Scour/Erosion				4	4	The NW headslope has gully from deck drainage. East abutment erosion.
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 2:2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				5	5	
(Type : STEEL)						
(Depth(mm) : 700)						
(Width(mm) : 375)						
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				5	5	
Greatest Height (m)		4.20				
Bracing/Struts/Sheathing				4	5	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		5	5	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Meanders D/S.
(D/S Direction : S)				
Alignment		6	6	
Bank Stability		6	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection (Type : NONE; NONE)		4	4	Headslope erosion caused by drainage through deck.
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK	2011	Patch pothole					
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							
OTHER ACTION	2015	Replace bridge					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	59.1/59.1	Est. Repl. Yr	2015	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girder cracking until bridge replaced.		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	07-Aug-2013		Previous Inspection Date	09-Jun-2011			
Inspection Cycle (Default) (months)	21						
Comment							