

Bridge Inspection							
Bridge File Number	06985 W-1 Bridge			Form Type	CON		
Year Built/Year Supstr	1955/1955			Lot No.	4		
Bridge or Town Name	CLUNY			Inspector Name	Jason Rusu		
Located Over	CROWFOOT CREEK, 2.13.14, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	1:14 L1 52.765			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	03-Mar-2012		
Legal Land Location	SW SEC 6 TWP 22 RGE 20 W4M			Data Entry By	Anne Roberts		
Longitude, Latitude	-112:45:47, 50:50:04			Data Entry Date	28-Mar-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Garry Roberts		
Contract Main. Area	CMA30			Review Date	12-Mar-2012		
Clear Roadway/Skew	14 / -20 deg. (LHF)			Dept. Reviewer Name	Tim Davies		
AADT/Year	6,710 / 2011 (A)			Dept. Review Date	29-Mar-2012		
Road Classification	RAD-412.4-120			Follow-Up By			
Detour Length (km)	1						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49	Train	CS3 62	----> 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)		In Advance (Y/N)		At Bridge (Y/N)
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)	Yes
Remarks	
Other Sign Types	Steep hill.

Utilities (Located at)			
Utility Attachments			
Telephone	North R/W	Gas	
Power	Approx. 30.0 m north - 3 wire	Municipal	
Others	Water gauge 24 m north.	Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Steep grade to East
Vertical Alignment		5	5	
Roadway Width (m)	13.000			
Approach Bump		6	6	
Guardrail (Y/N)	Yes			Wrong lap at NE and SE
Guardrail		4	4	
Length (m)	42.000			Not thriebeam
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS			
Drainage		7	7	
Approach Road General Rating		5	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CT, 3 Spans, Lengths(m): 12.2-18.3-12.2, A-Ident Number:)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(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			5	5	Chipcoat 2% worn off
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			7	N	Plow guards only @ inside lane at East and West abuts. Gravel, ice and water filled more than 50% not visible
Temperature (deg. C)		26			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
65	W. abut				
55	E. abut				
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	LIGHT SCALING @ CURB FACE & NARROW TRANSVERSE CRACKS
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			6	6	Some posts with medium width crack & Spalls @ south
(Type : GALVANIZED STEEL VERTICAL BAR)					
Bridge Rail Posts		5	5		
(Type : CONCRETE;CONCRETE)					
Bridge Rail/Posts Coating		6	6		
(Type : GALVANIZED)					
Sidewalk			X	X	
Girders			5	5	Medium width flexural cracks @ center span 0.3mm to 1mm cracks behind brgs @ abuts
Diaphragms/Cross Frame			4	4	Spalls @ ends of S1G4 girder and Sp 1-G6
Bearings			6	6	Rocker W pier, neoprene pads @ abut. Steel fxd @ E. pier
Temperature (deg. C)		5			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)					
(Fixed Type : PINNED BEARING)					
Coating Adequate (Y/N)		Yes			
Functioning (Y/N)		Yes			
Deck Underside			6	6	Transverse cracks with efflorescence
Stains (Percent Area)		3			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CT, 3 Spans, Lengths(m): 12.2-18.3-12.2, 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				
Bearing Seats		6	5	
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		N	N	Buried
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		6	6	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Pier Shaft/Piles		7	7	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	Yes			Old pile stubs in channel
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	Natural @ West
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

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							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	64.3/64.3	Est. Repl. Yr	2024	Maint. Req. (Y/N)	No
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	03-Dec-2013		Previous Inspection Date	16-Jul-2010			
Inspection Cycle (Default) (months)	21						
Comment							