

Bridge Inspection							
Bridge File Number	07340 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1969/1969			Lot No.	1		
Bridge or Town Name	MANYBERRIES			Inspector Name	Jon Davies		
Located Over	CANAL CREEK, 11.3, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	501:10 C1 0.414			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	20-Jun-2012		
Legal Land Location	SW SEC 27 TWP 3 RGE 6 W4M			Data Entry By	Lauren Korte		
Longitude, Latitude	-110:44:46, 49:14:09			Data Entry Date	17-Jul-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Garry Roberts		
Contract Main. Area	CMA24			Review Date	01-Jul-2012		
Clear Roadway/Skew	8.4 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	70 / 2011 (A)			Dept. Review Date	30-Jul-2012		
Road Classification	RCU-208-110			Follow-Up By			
Detour Length (km)	10						
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	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								
Other Sign Types								

Utilities (Located at)			
Utility Attachments			
Telephone	West side conduit.		Gas
Power			Municipal
Others			Problem (Y/N) Yes
Remarks	Laying loose along West curb.		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	7	Intersection South.
Vertical Alignment		8	8	
Roadway Width (m)	8.500			Gravel road.
Approach Bump		6	6	
Guardrail (Y/N)	Yes			Wrong lap at NE and SW T.D.
Guardrail		7	6	
Length (m)	8.100			Not thriebeam.
Current Standard (Y/N)	No			
Termination Type	TURN DOWN			
Drainage		7	7	
Approach Road General Rating		8	7	

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	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			5	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			6	5	Pitting in the deck top from the gravel.
Deck Rideability			7	6	
Deck Joints			5	5	Buffer angles.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Minor spalls from the grader.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			7	7	Double layer.
(Type : STEEL FLEX BEAM)					
Bridge Rail Posts			8	7	Corroding at East fascia.
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			4	4	
(Type :)					
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			5	5	Wide crack in AZ of curb girders. Sp. 1 and 3 - in sound concrete and Sp.1 G5 in one leg. Narrow shear cracks in 8 of 20 girders inspected. Span 2 not accessible due to high water.
Last Complete Inspection Date		16-Jun-2009			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		3			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 30)					
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) : Y)							
(Extended Backwall Piles Spacing(mm) : 1500)							
(Total Number of Caps/Corbels : 3:3)				100x305 plank on top of abut. 2			
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			
Bearing Seats/Caps/Corbels				6	5		
(Type : TREATED TIMBER)							
(Depth(mm) : 356)							
(Width(mm) : 305)							
Backwalls/Breastwalls			7	6			
Greatest Height (m)		1.30					
Wingwalls			6	6			
(Total Number of Bearing Piles : 7:7)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			
Piles				6	5		
Paint/Coating				X	X		
Abutment Stability				7	6		
Scour/Erosion				7	6		
Piers/Bents							
(Type : PIER-COLUMN)							
(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			
Now	0	0	0	0			
Bearing Seats/Caps/Corbels				6	5		
(Type : TREATED TIMBER)							
(Depth(mm) : 300)							
(Width(mm) : 350)							
(Total Number of Bearing Piles : 7:7)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0						
Pier Shaft/Piles				6	4		
Greatest Height (m)		2.20					
Bracing/Struts/Sheathing			3	3			
Nose Plate				X	X		
Paint/Coating				X	X		
(Colour Description :)							
(Colour Code :)							

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	5	
Scour		7	6	
Debris (Y/N)	Yes			Old piles under bridge.
Substructure General Rating		6	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		7	5	field drainage ditching at SE has caused slumping at U/S.
HWM (m below Top of Curb)	0.8			No HWM visible.
Drift (Y/N)	No			
Slope Protection		7	5	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	5	

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	2012	Core Piles.					
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Replace bracing on South pier - 70 mm x 230mm x 5.0 m.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/50.0	Sufficiency Rating (Last/Now) (%)	75.0/68.6	Est. Repl. Yr	2025	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	20-Sep-2015		Previous Inspection Date	16-Jun-2009			
Inspection Cycle (Default) (months)	39						
Comment							