

Bridge Inspection							
Bridge File Number	06606 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1967/1967			Lot No.	4		
Bridge or Town Name	RAYMOND			Inspector Name	Jon Davies		
Located Over	TRIBUTARY TO MILK RESERVOIR, 11.9.6.3.3, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	506:02 C1 11.661			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	04-Jun-2012		
Legal Land Location	SW SEC 18 TWP 5 RGE 20 W4M			Data Entry By	Kelsey Roberts		
Longitude, Latitude	-112:41:45, 49:22:57			Data Entry Date	23-Jun-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Garry Roberts		
Contract Main. Area	CMA25			Review Date	15-Jun-2012		
Clear Roadway/Skew	9.1 / 30 deg. (RHF)			Dept. Reviewer Name	Tim Davies		
AADT/Year	290 / 2011 (A)			Dept. Review Date	29-Jun-2012		
Road Classification	RCU-210-110			Follow-Up By			
Detour Length (km)	6						
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 70 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	NARROW BRIDGE (PICTORIAL)						

Utilities (Located at)			
Utility Attachments			
Telephone	W. DITCH		Gas
Power	3 LINE EAST DITCH		Municipal
Others			Problem (Y/N) No
Remarks	AGT CONDUIT ALONG W. SIDE OF BRIDGE		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	CURVE STARTING 75 M SOUTH 'T' intersection 30m N
Vertical Alignment		6	6	
Roadway Width (m)	9.600			Missing one splice bolt at SE Not thriebeam
Approach Bump		7	6	
Guardrail (Y/N)	Yes			
Guardrail		5	5	
Length (m)	16.000			
Current Standard (Y/N)	No			
Termination Type	TURN DOWN			
Drainage		7	7	
Approach Road General Rating		5	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 10.1, 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			8	6	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	6	
Deck Joints			N	N	Paved over Minor at North
Bump (Y/N)		Yes			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	6	Spalls been repaired
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			8	8	Double layer
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			6	6	minor SPALLS @ STIRRUPS ON BOTH CURB UNITS. In one leg due to honeycomb from fab. Hairline shear cracks at A1, G5,10 and at A2, G8.
Last Complete Inspection Date		04-Jun-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			6	6	

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)					
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				5	5
(Type : TREATED TIMBER)					
(Depth(mm) : 300)					
(Width(mm) : 350)					
Backwalls/Breastwalls			7	6	
Greatest Height (m)		2.00			
Wingwalls			7	6	
(Total Number of Bearing Piles : 8:8)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles				7	5
Paint/Coating				X	X
Abutment Stability				7	6
Scour/Erosion				7	5
Minor scour at A1.					
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				X	X
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		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	1.2			HWM not visible
Drift (Y/N)	No			
Slope Protection		7	5	Minor scour at A1.
(Type : RIP RAP; NATURAL; RIP RAP; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	6	
(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							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	71.9/68.1	Est. Repl. Yr	2030	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	04-Sep-2015		Previous Inspection Date	20-Jun-2009			
Inspection Cycle (Default) (months)	39						
Comment							