

Bridge Inspection									
Bridge File Number	77006 -1 Bridge					Form Type	CON		
Year Built/Year Supstr	1970/1970					Lot No.	2		
Bridge or Town Name	MORLEY					Inspector Name	Garry Roberts		
Located Over	MUNICIPAL					Inspector Class	BR CLS A		
Located On	1:04 R1 19.011;1:04 L1 19.039					Assistant Name			
Water Body Cl./Year						Assistant Class			
Navigabil. Cl./Year						Inspection Date	12-Feb-2012		
Legal Land Location	NW SEC 20 TWP 25 RGE 6 W5M					Data Entry By	Erin Roberts		
Longitude, Latitude	-114:48:39, 51:09:06					Data Entry Date	14-Mar-2012		
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey		
Contract Main. Area	CMA28					Review Date	22-Feb-2012		
Clear Roadway/Skew	24.4 /					Dept. Reviewer Name	Tim Davies		
AADT/Year	18,610 / 2010 (A)					Dept. Review Date	22-Mar-2012		
Road Classification	RAD-412.4-120					Follow-Up By			
Detour Length (km)	1								
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:	HS20					----> Primary Span			

Posting Information												
Required Vert. Clearance Posting (m)			UNDER: MUNICIPAL 3.8m									
Posted Vertical Clearance (Y/N)			Yes									
Posted:	Lane	NB	On Bridge (m)	3.8	In Advance (Y/N)	No	Lane	SB	On Bridge (m)	3.8	In Advance (Y/N)	No
Remarks												
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												
Other Sign Types												

Utilities (Located at)									
Utility Attachments									
Telephone	In South ditch.					Gas	60 m South.		
Power	South row and crosses West.					Municipal			
Others	Fibre optics cable in South ditch.					Problem (Y/N)	No		
Remarks									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Curve West
Vertical Alignment		8	8	
Roadway Width (m)	24.400			Not thriebeam
Approach Bump		6	6	
Guardrail (Y/N)	Yes			
Guardrail		5	5	
Length (m)	72.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS			
Drainage		7	5	
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CF, 1 Spans, Lengths(m): 8.7, 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			6	6	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Deck Top			N	N	
Deck Rideability			7	6	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			7	6	
Drains Clogged (Y/N)		No			
Curbs/Median			X	X	
(Curb Type : Standard)					
Scaling (Percent Area)					
Bridge Rail			5	5	Single layer
(Type : FLEX BEAM)					
Bridge Rail Posts			5	5	Bridge rail is also approach rail
(Type : TREATED TIMBER;TREATED TIMBER)					
Bridge Rail/Posts Coating			5	5	
(Type :)					
Sidewalk			X	X	
Girders			X	X	CIP slab.
Diaphragms/Cross Frame			X	X	
Bearings			X	X	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Coating Adequate (Y/N)					
Functioning (Y/N)					
Deck Underside			7	6	Light sealing and isolated cracks at 2nd joint/
Stains (Percent Area)		1			
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CF, 1 Spans, Lengths(m): 8.7, A-Ident Number:)				
Superstructure General Rating		7	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		X	X	Integral
Backwalls/Breastwalls		7	7	
Wingwalls		5	6	Wide vertical cracks and 70mm separation at South wings.
Piles		X	X	
Paint/Coating		5	5	
Abutment Stability		8	8	
Scour/Erosion		X	X	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
Pier Shaft/Piles		X	X	
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		7	8	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		5	5	Lug damage to ACP surface in subway. Curves @ 90 deg @ South.
Traffic Safety Features		3	3	Spall with rebar extending past curb at SE.
Type	Curbs			
Slope Protection		7	7	Flared wingwalls.
(Type :)				
Bank Stability		7	7	
Drainage		4	5	
Grade Separation General Rating		3	3	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Double Layer Flex Beam					
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	2012	Install advance clearance signs					
OTHER ACTION	2012	Patch 2 X 0.5 curb spall and remove rebar at SE					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	62.5/61.8	Est. Repl. Yr	2034	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	12-Nov-2013		Previous Inspection Date	16-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							