

Bridge Inspection											
Bridge File Number	76659 -1 Bridge					Form Type	PSR				
Year Built/Year Supstr	1970/1970					Lot No.	2				
Bridge or Town Name	MORLEY					Inspector Name	Garry Roberts				
Located Over	1:04 L1 9.789;1:04 R1 9.758					Inspector Class	BR CLS A				
Located On	25126:02 C1 0.134					Assistant Name					
Water Body Cl./Year						Assistant Class					
Navigabil. Cl./Year						Inspection Date	09-Feb-2012				
Legal Land Location	SE SEC 17 TWP 25 RGE 7 W5M					Data Entry By	Lauren Korte				
Longitude, Latitude	-114:56:19, 51:07:53					Data Entry Date	13-Mar-2012				
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey				
Contract Main. Area	CMA28					Review Date	22-Feb-2012				
Clear Roadway/Skew	8.5 /					Dept. Reviewer Name	Tim Davies				
AADT/Year	200 / 1988 (E)					Dept. Review Date	22-Mar-2012				
Road Classification	RLU-209G-90					Follow-Up By					
Detour Length (km)	8										
Allowable Load (t):	Single	CS1 37			Semi	CS2 64 GIRDER		Train	CS3 76 GIRDER		----> On Critical Spans ---->Critical Member
Design Loading:	HS20					----> Primary Span					

Posting Information												
Required Vert. Clearance Posting (m)			UNDER: 1 L1 5.2m, 1 R1 5.7m									
Posted Vertical Clearance (Y/N)			Yes									
Posted:	Lane	EB	On Bridge (m)	5.7	In Advance (Y/N)	Yes	Lane	WB	On Bridge (m)	5.3	In Advance (Y/N)	Yes
Remarks												
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)	No											
Remarks												
Other Sign Types												

Utilities (Located at)												
Utility Attachments												
Telephone	All around bridge site.					Gas						
Power	X's 80 m north and south.					Municipal						
Others						Problem (Y/N)	No					
Remarks												

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	
Vertical Alignment		6	6	
Roadway Width (m)	8.500			
Approach Bump		6	6	
Guardrail (Y/N)	Yes			1 broken post at NW turndown bracket. Wrong lap at SE. missing 3 splice bolts SW
Guardrail		3	3	
Length (m)	19.000			Not thriebeam and not attached to bridge.
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 : FC, 2 Spans, Lengths(m): 33.5-33.5, 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			7	7	Chipseal on ACP
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			3	3	Chipcoat over koch joint Koch joint @ pier has cracked and appears to leak due to staining @ pier cap 7 broken welds at North finger joint 3 at South joint-could not confirm count. Heavy corrosion at fingers
Temperature (deg. C)		-3			
(Expansion Type : FINGER PLATES)					
(Fixed Type : OTHER)					
Gap Size (mm)		Gap Location			
65		S. abut			
45		N. abut			
Deck Drainage			5	6	Retro-fit drains.
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Water stop exposed @ west @ North Span - minor spall at SE
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			5	5	Minor accident damage at NW corner, 2 bent vertical bars. MINOR SURFACE CORROSION
(Type : STEEL VERTICAL BAR)					
Bridge Rail Posts			7	7	
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			5	5	
(Type : PAINT)					
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			5	5	Narrow cracking @ ends through chamfer and into deck. Both abuts. Corrosion has been repaired. Type: FC girder cracks
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 12)					
Diaphragms/Cross Frame			6	6	Some wide cracks @ pier

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 2 Spans, Lengths(m): 33.5-33.5, A-Ident Number:)				
Bearings		6	6	
Temperature (deg. C)	-3			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	5			
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/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	Buried.
Paint/Coating		6	6	
Abutment Stability		8	8	
Scour/Erosion		X	X	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		4	4	Minor staining & some peeling of coating.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		4	5	Wrong lap at NW but well off roadway.
Type	GUARDRAIL			
Slope Protection		5	5	Scaling on 25% with exposed rebar. Settlement at south end.
(Type : CONCRETE; CONCRETE)				
Bank Stability		6	6	
Drainage		7	7	
Grade Separation General Rating		4	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2012	Seal Koch Joint. Reweld broken fingers and check the others					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Clean and seal pier staining					
OTHER ACTION	2012	Replace 2 T.T posts at NW approach					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	65.2/66.5	Est. Repl. Yr	2028	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	09-Nov-2013		Previous Inspection Date	16-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							