

Bridge Inspection									
Bridge File Number	76063 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1969/1969				Lot No.	2			
Bridge or Town Name	NOBLEFORD				Inspector Name	Garry Roberts			
Located Over	CPR				Inspector Class	BR CLS A			
Located On	519:04 C1 2.210				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	21-May-2010			
Legal Land Location	SE SEC 3 TWP 11 RGE 23 W4M				Data Entry By	Kelsey Roberts			
Longitude, Latitude	-113:03:16, 49:52:23				Data Entry Date	17-Aug-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Ash Morjaria			
Contract Main. Area	CMA25				Review Date	29-May-2010			
Clear Roadway/Skew	9.3 / 49 deg. (RHF)				Dept. Reviewer Name	Lorenz Bohnert			
AADT/Year	1,390 / 2009 (A)				Dept. Review Date	18-Aug-2010			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	20								
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:	HS20				----> Primary Span				

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)					No							
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks	RAILWAY CROSSING- not req.											
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												

Hazard Marker At Bridge (Y/N)	Yes										
Remarks	not at proper height										
Other Sign Types											

Utilities (Located at)											
Utility Attachments											
Telephone	South				Gas						
Power	3 wire north - 25 m from c.l.				Municipal						
Others	Fiber optics at North curb.				Problem (Y/N)	No					
Remarks											

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	6	Straight, Nobleford entrance NE corner.
Vertical Alignment		6	7	
Roadway Width (m)	9.300			Missing post to rail bolt at SE. Not thriebeam
Approach Bump		4	6	
Guardrail (Y/N)	Yes			
Guardrail		7	4	
Length (m)	38.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		7	7	
Approach Road General Rating		5	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PM, 5 Spans, Lengths(m): 12.2-12.2-15.2-13.7-12.2, 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	6	Minor popouts at Sp.1
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			3	5	Koch joints @ all 4 piers & both abuts
Temperature (deg. C)		10			
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			5	6	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	4	2 layer- Missing 4 splice bolts. Missing 8 - 7/8" post anchor nuts @ north side.
(Type : FLEX BEAM)					
Bridge Rail Posts			3	3	
(Type : GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	6	
(Type :)					
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			4	5	300 mm long x 2 mm wide vertical crack in end of south fascia girder @ span #4 @ east end @ side.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 55)					
Diaphragms/Cross Frame			X	X	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PM, 5 Spans, Lengths(m): 12.2-12.2-15.2-13.7-12.2, A-Ident Number:)				
Bearings		6	7	Neoprene on steel shim at P4
Temperature (deg. C)	10			
(Expansion Type : NEOPRENE STRIP BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	2			
Span Alignment Problems				
Vertical (Y/N)	No			25 mm @ pier #1 - minor.
Horizontal (Y/N)	Yes			
Superstructure General Rating		4	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	N	Not visible behind girders
Wingwalls		7	7	
Piles		N	N	Buried
Paint/Coating		6	6	
Abutment Stability		7	7	
Scour/Erosion		9	7	
Piers/Bents				
(Type : PIER-COLUMN)				150 mm dia spall @ N end pier #3 @ west side.
Bearing Seats/Caps		5	6	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 6:6:6:6)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		4	X	Caps are stained from previous leakage. Graffiti on piles.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		5	6	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		X	X	

Structure Usage				
		Last	Now	Explanation of Condition
Traffic Safety Features		X	X	
Type				
Slope Protection		5	6	Pulled away 75 mm @ top @ east & west. Graffiti
(Type : CONCRETE; CONCRETE)				
Bank Stability		7	7	
Drainage		7	7	
Grade Separation General Rating		7	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2010	11 Nuts at post A/B					
GALVANIZE/PAINT 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	2010	Epoxy inject girder crack. Sp.4-G1.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/61.1	Sufficiency Rating (Last/Now) (%)	62.4/63.7	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	21-Aug-2013		Previous Inspection Date	05-Dec-2006			
Inspection Cycle (Default) (months)	39						
Comment							