

Bridge Inspection										
Bridge File Number	83029 -1 Bridge				Form Type	CON				
Year Built/Year Supstr	1986/1986				Lot No.	2				
Bridge or Town Name	MIRROR				Inspector Name	Dave Lam				
Located Over	PARLBY CREEK, 3.65.2.1.1, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	LOCAL ROAD				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	13-Jul-2011				
Legal Land Location	NE SEC 33 TWP 40 RGE 22 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-113:06:29, 52:29:31				Data Entry Date	21-Aug-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	UNDEFINED CMA				Review Date	28-Jul-2011				
Clear Roadway/Skew	3.9 /				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	5 / 2011 (E)				Dept. Review Date	29-Aug-2011				
Road Classification					Follow-Up By					
Detour Length (km)	999									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member			
Design Loading:	HS25						----> 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)	No								
Remarks	Not required.								
Other Sign Types	NONE								

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			6	6	Farm access over water stabilizing channel. Gate locked on road E of bridge structure. Access on W side field access opposite TWP Rd 410. "T" intersection off RR223 - 0.6km W to site.				
Vertical Alignment			5	8					
Roadway Width (m)	3.900				Lock code for gate - 1428.				
Approach Bump			5	5					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage			5	5					
<b>Approach Road General Rating</b>			<b>5</b>	<b>6</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>CC, 4 Spans, Lengths(m): 3.5-3.2-1.4-3.6, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			8	WEST SIDE-GATES TO CONTROL WATER FLOW.	
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			7	X	Concrete cast-in-place deck 0.3m deep. Trans. cracks.
(Material Type : )					
(Thickness(mm) : )					
Deck Top			7	7	
Deck Rideability			7	7	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type : )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
Deck Drainage			7	7	NO DRAINS
Drains Clogged (Y/N)					
Curbs/Median			7	6	300 X 130mm. Trans. cracks where deck is cracked.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	7	2" pipe  2" pipe
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girders			X	X	
Diaphragms/Cross Frame				X	
Bearings				X	
Temperature (deg. C)					
(Expansion Type : )					
(Fixed Type : )					
Coating Adequate (Y/N)					
Functioning (Y/N)					
Deck Underside				7	
Stains (Percent Area)		0			
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CC, 4 Spans, Lengths(m): 3.5-3.2-1.4-3.6, A-Ident Number: )				
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats		7	X	Monolithic with deck/backwall.
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		X	3	Scaling/peeling (photos).
Abutment Stability		7	7	Concrete floor slab.
Scour/Erosion		7	7	
<b>Piers/Bents</b>				
(Type : PIER-COLUMN)				Cast monolithic with deck. (4.2m deck to streambed).
Bearing Seats/Caps		7	X	
(Type : CONCRETE)				
Pier Shaft/Piles		7	7	
Nose Plate		X	X	
Paint/Coating		X	3	Peeling/scaling (photo).
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	Yes			Log/grass inside cells.
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : W)				Elevations on SW wingwall - cast into wall.
(D/S Direction : E)				
Alignment		9	9	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible - control structure. Logs/grass.
Drift (Y/N)	Yes			
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				

<b>Structure Usage</b>				
		<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>
<b>Channel General Rating</b>		<b>7</b>	<b>7</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
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	2011	Seal trans. cracks on deck/curb.					
OTHER ACTION	2011	Monitor wall coating deterioration; reparse/coat as necessary.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>77.0/77.8</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>64.7/65.7</b>	Est. Repl. Yr	2037	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Use W field approach from T-intersection at RR223 & TWP Rd 410 to access the site.		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	Aime Theroux		Previous Assistant's Name				
Next Inspection Date	13-Oct-2014		Previous Inspection Date	10-Jul-2002			
Inspection Cycle (Default) (months)	39						
Comment							