

Bridge Inspection									
Bridge File Number	13073 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1966/1966				Lot No.	2			
Bridge or Town Name	EVANSBURG				Inspector Name	Wade Nanninga			
Located Over	LOBSTICK RIVER, 8.11.84.51, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	22:32 C1 1.549				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	03-Oct-2011			
Legal Land Location	NW SEC 27 TWP 53 RGE 8 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:06:25, 53:36:45				Data Entry Date	26-Oct-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA12				Review Date	25-Oct-2011			
Clear Roadway/Skew	10.7 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	1,420 / 2010 (A)				Dept. Review Date	14-Nov-2011			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	5								
Allowable Load (t):	Single		Semi		Train		----> 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	Not to standard; hazard marker posts in grd at all corners at varying heights.								
Other Sign Types	River ID @ NW & SE corners.								
Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	Conduit under East curb.				Gas				
Power	1 wire West r/w. Crosses road to North.				Municipal				
Others					Problem (Y/N)		No		
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Entrances each side. No passing both ways. Slight limited sight distance. On uphill grade to North.				
Vertical Alignment			6	6					
Roadway Width (m)	12.200								
Approach Bump			6	6					
Guardrail (Y/N)	Yes				30.4m @ SW & NE; 38.0m @ SE & NW. Too low, 350mm top of pavement to c/l guardrail. Insufficient posts & length.				
Guardrail			N	3					
Length (m)	30.400				5 broken posts @ SE.				
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : PM (RD) , 3 Spans, Lengths(m): 15.2-15.2-15.2, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	50					
Now	0.0	0.0	0.0	1.0		
Wearing Surface			6	3	ACP patch in span 2 unravelling - expopsing girder top and leaving pothole in deck.-photo	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			N	N	Type of Koch joints on piers. Joints covered by chip seal coat.	
Temperature (deg. C)		10				
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
		N. abut				
		N. pier				
		S. pier				
		S. abut				
Deck Drainage			5	5		
Drains Clogged (Y/N)		No				
Curbs/Median			N	4	Plow scrapes. Numerous. Popouts on curb fascia expose stirrups with insufficient cover. Grader damage @ NW corner-minor	
(Curb Type : Standard)						
Scaling (Percent Area)		10				
Bridge Rail			N	6	Missing nut on EP12 A/B, missing washer on EP17 A/B. 10% at AB nuts not fully tightened.	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			N	3		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			N	6		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	SP1 G11 1m longitudinal wide crack in AZ=corrosion stains	
Last						
Now						
Girders			4	4	G2 & G11 different width all spans. G11 SP3 with 1m med long crack. S1-G6, G7, G11. S2-G2 and G8. S3-G2, G3, G10, G11 and G12 all have rust spots associated with stirrups on rebar. S3G2, 1m long wide crack @ NW corner with corrosion. photo. S1G4 & G7 honeycombing, original construction.	
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
(Number Of Girders : 36)						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PM (RD) , 3 Spans, Lengths(m): 15.2-15.2-15.2, A-Ident Number:)				
Diaphragms/Cross Frame		X	X	
Bearings		7	7	On piers only.
Temperature (deg. C)	10			
(Expansion Type :)				
(Fixed Type : NEOPRENE STRIP BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		N	4	
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		4	4	TT planks on caps crushing @ North abutment.
(Type : TREATED TIMBER)				
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		5	5	
Scour/Erosion		6	6	
Piers/Bents				
(Type : PIER-COLUMN)				Steel HP corbels & double wide HP cap, typical.
Bearing Seats/Caps		7	7	
(Type : STEEL)				
(Total Number of Bearing Piles : 19:19)				2 row x 9 timber piles/row each pier plus nose pile.
Pier Shaft/Piles		N	N	
Bracing/Struts/Sheathing		4	4	Sheeted in, missing planks at base of both piers - photo.
Nose Plate		6	6	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		4	4	

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)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		6	6	Concrete bags. Lower North headslope only.
(Type : CONCRETE; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2011	Replace missing nut on EP12 A/B and tighten loose bolts.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2011	Patch ACP					
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							
OTHER ACTION	2011	Reset hazard markers to meet standard.					
OTHER ACTION	2011	5 GR posts @ SE.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	57.4/57.5	Est. Repl. Yr	2019	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor crushing of TT planks on caps.		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	Arnold Assenheimer		Previous Assistant's Name	Shane Hall			
Next Inspection Date	03-Jul-2013		Previous Inspection Date	14-Dec-2009			
Inspection Cycle (Default) (months)	21						
Comment							