

Bridge Inspection										
Bridge File Number	75980 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1983/1983				Lot No.	1				
Bridge or Town Name	ENCHANT				Inspector Name	Jason Rusu				
Located Over	BRP - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS A				
Located On	25:04 C1 18.545				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	09-Dec-2011				
Legal Land Location	SW SEC 11 TWP 14 RGE 19 W4M				Data Entry By	Anne Roberts				
Longitude, Latitude	-112:30:25, 50:09:23				Data Entry Date	17-Jan-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts				
Contract Main. Area	CMA25				Review Date	26-Dec-2011				
Clear Roadway/Skew	10 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	360 / 2010 (A)				Dept. Review Date	18-Jan-2012				
Road Classification	RAU-211.8-110				Follow-Up By					
Detour Length (km)	3									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member			
Design Loading:	MS23						----> 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									
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									

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

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	School bus stop 250m north. Grade rises to the south.					
Vertical Alignment		6	6						
Roadway Width (m)	8.000								
Approach Bump			6	6	Not Thriebeam				
Guardrail (Y/N)	Yes								
Guardrail			5	5					
Length (m)	11.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			5	5					
Approach Road General Rating		6	6						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 4 Spans, Lengths(m): 10-10-10-10, 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			4	8	New ACP wearing surface
(Material Type : ACP)					
(Thickness(mm) : 100)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			5	8	
Deck Joints			5	8	Koch joints with new ACP wearing surface
Bump (Y/N)		No			
Deck Drainage			6	7	No deck drains.
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Typical vertical cracks every 2.0 m.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	18	0	0	0	
Now	0	0	0	2	
Girders			N	3	Typical SM diagonal cracks over piers of curbs. South span west girder with small spalls. Chip at SE of N. span. The SE curb unit has long crack down middle full length hairline. NW curb has hole extending into void @ bottom of girder. - see photo. S4, G1 North end. Staining @ S2G1 at pier - originating from strand. Span 1 hairline longitudinal cracking, no stains. G9 North end hairline diagonal crack less 0.5m. Span 4 G1 diagonal hairline crack
Last Complete Inspection Date		09-Dec-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 36)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	3	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				6	6	
(Type : CONCRETE)						
(Depth(mm) : 550)						
(Width(mm) : 640)						
Backwalls/Breastwalls				X	X	
Greatest Height (m)		1.10				
Wingwalls				5	5	
(Total Number of Bearing Piles : 0:0)				Not visible due to fill		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	100	0	0	0		
Piles				N	N	
Paint/Coating				N	5	
Abutment Stability				8	8	
Scour/Erosion				7	7	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				6	5	
(Type : CONCRETE)						
(Depth(mm) : 700)						
(Width(mm) : 600)						
(Total Number of Bearing Piles : 6:6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Pier Shaft/Piles				6	6	
Greatest Height (m)		4.00				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				4	4	
(Colour Description : GREEN)						
(Colour Code : 14090)						
				Corrosion - original paint remaining Paint failed and minor corrosion below SB		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		6	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)	2.3			(HWM 2.3) 27 - May - 2008
Drift (Y/N)	No			
Slope Protection		8	8	
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	8	

