

Bridge Inspection										
Bridge File Number	70457 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1991/1991				Lot No.	2				
Bridge or Town Name	VILNA				Inspector Name	Wade Nanninga				
Located Over	STONY CREEK, 6.29.1.1, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	859:02 C1 14.523				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	17-Dec-2012				
Legal Land Location	NW SEC 16 TWP 59 RGE 13 W4M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-111:54:08, 54:06:23				Data Entry Date	09-Jan-2013				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA07				Review Date	09-Jan-2013				
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Paul Catt				
AADT/Year	250 / 2011 (A)				Dept. Review Date	18-Jan-2013				
Road Classification	RCU-209-110				Follow-Up By					
Detour Length (km)	30									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member
Design Loading:	MS230									----> 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)			No						
Remarks			Required.						
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	Buried line 20m West of c/l.				Gas	Line crosses road 60 m South.				
Power	2 wires OH 20 m East of c/l.- crosses 50m N				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Farm access NW/NE.				
Vertical Alignment			7	8					
Roadway Width (m)		10.000							
Approach Bump			7	7					
Guardrail (Y/N)		Yes		Single layer flexbeam.					
Guardrail			4	5	Creased still functional.				
Length (m)		19.000		No thrie beam					
Current Standard (Y/N)		No							
Termination Type		Turned Down							
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 3 Spans, Lengths(m): 8-10-8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	30.0				
Wearing Surface			8	6	Wide crack in NBL
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Buffer angles.
Bump (Y/N)		No			
Deck Drainage			7	7	No drains.
Drains Clogged (Y/N)		No			
Curbs/Median			6	N	Longitudinal hairline crack under peeling protective coating.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	4	Double layer. Missing splice bolts @ NE.
(Type : GALVANIZED STEEL FLEX BEAM)					
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					
Now					
Girders			5	4	Horiz. longitudinal cracking of the protective coating on the exterior of the curb units. SP2G7 scaling/cracking along outside edge with stains in AZ.
Last Complete Inspection Date		17-Dec-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 24)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			6	4	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/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						
Now						
Bearing Seats/Caps/Corbels				8	8	
(Type : CONCRETE)						
(Depth(mm) : 630)						
(Width(mm) : 550)						
Backwalls/Breastwalls				8	8	
Greatest Height (m)		0.70				
Wingwalls				7	7	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100					
Now	100	0	0			
Piles				N	N	
Paint/Coating				6	6	
Abutment Stability				8	8	
Scour/Erosion				7	7	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				6	4	
(Type : CONCRETE)						
(Depth(mm) : 630)						
(Width(mm) : 550)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				6	6	
Greatest Height (m)		3.00				
Bracing/Struts/Sheathing				7	7	
Nose Plate				X	X	
Paint/Coating				6	6	
(Colour Description :)						
(Colour Code :)						
Pier Stability				8	8	
				Blue.		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		7	N	
Debris (Y/N)	Yes			Old piles
Substructure General Rating		6	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. Brush
Drift (Y/N)	No			
Slope Protection		9	8	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(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	2013	Splice bolts (4) at NE.					
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Install Hazard Marker					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/44.4	Sufficiency Rating (Last/Now) (%)	66.2/56.2	Est. Repl. Yr	2043	Maint. Req'd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor cracking in pier 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	Melanie Johnson		Previous Assistant's Name				
Next Inspection Date	17-Mar-2016		Previous Inspection Date	02-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							