

Bridge Inspection										
Bridge File Number	71683 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1979/1979				Lot No.	2				
Bridge or Town Name	SHONTS				Inspector Name	Owen Salava				
Located Over	AMISK CREEK, 6.62.15, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	14:08 C1 11.295				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	09-Jan-2012				
Legal Land Location	NE SEC 15 TWP 50 RGE 18 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-112:32:34, 53:19:15				Data Entry Date	14-Feb-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Jason Saly				
Contract Main. Area	CMA16				Review Date	28-Jan-2012				
Clear Roadway/Skew	12.5 / 15 deg. (RHF)				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	2,810 / 2010 (A)				Dept. Review Date	23-Feb-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	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	Not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power					Municipal					
Others	CNR tracks 40m North of c/l. Geodetic BM on SW wing #83A032. AB Env BM #90E21 at SE post.				Problem (Y/N)	No				
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Long horizontal curve to West. Long vertical grade to the East, limited sight distance. No passing EB.					
Vertical Alignment		7	7						
Roadway Width (m)		11.400							
Approach Bump		7	7						
Guardrail (Y/N)		Yes		Minor creasing.					
Guardrail		6	6						
Length (m)		26.700		Insufficient length at all corners. NW & SE turn down splice improper lap. Not thrie beam.					
Current Standard (Y/N)		No							
Termination Type		Turn 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): 11-11-11, 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	0.0	0.0	0.0	0.0	
Wearing Surface			4	4	Chip seal on asphalt, stop short of curbs. Minor delams outside shoulder lines. Random transverse cracks. Two longitudinal cracks. Chipseal stops 0.8m shy of curb, typical both sides. 2006 L2 deck inspection report, note 30m2 of asphalt debonding.
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Asphalt covered. ACP cracked over pier joints. Evidence of past leaking due to stained caps.
Bump (Y/N)		No			
Deck Drainage			4	4	No drains. Erosion channel West headslope North edge.
Drains Clogged (Y/N)		No			
Curbs/Median			4	4	Some narrow cracking. Chipped NE corner, scrap damage @ center span of North curb.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	
(Type : STEEL TUBE BEAM TYPE 1; GALVANIZED STEEL TUBE BEAM TYPE 1)					
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	0	0	0	0	
Girders			5	5	Typical SM cracks on curbs at piers at 6 locations. The crack at NW of S1 is leaking & is length of girder. Longit. crack at mid height on all curb girders. Staining between girders from rusty connectors.
Last Complete Inspection Date		09-Jan-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 33)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			5	5	

Substructure								
Bridge Component		Last	Now	Explanation of Condition				
Abutments								
(Extended Backwall Piles (Y/N) : N)				Missing bridge file plaque SW wingwall.				
(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	0	0	0				0	
Bearing Seats/Caps/Corbels							5	5
(Type : CONCRETE)								
(Depth(mm) :)								
(Width(mm) :)								
Backwalls/Breastwalls			N	N				
Greatest Height (m)		1.00						
Wingwalls			7	7				
(Total Number of Bearing Piles : 0:0)				Piles not visible.				
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
Last	100							
Now	100	0	0				0	
Piles			N				N	
Paint/Coating			X				X	
Abutment Stability			6				6	
Scour/Erosion			4				4	Erosion channel in W hslp, N edge - minor.
Piers/Bents								
(Type : PIER-COLUMN)				(Maximum deck to S/B 5.8m. 93/10/12)				
(Total Number of Caps/Corbels : 1:1)				1 per pier, stained from past leaky joints. Hairline cracks in piers at pile/cap interface, some staining from joint leakage. Spall on underside of cap at SE end. Vertical crack @ SE cap. Spall at West cap @ pile location.				
Bearing Seats/Caps/Corbels Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
Last								
Now	0	0	0				0	
Bearing Seats/Caps/Corbels							4	4
(Type : CONCRETE)								
(Depth(mm) :)								
(Width(mm) :)								
(Total Number of Bearing Piles : 8:8)								
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)	3 (count)				
Last								
Now	0	0	0	0				
Pier Shaft/Piles			7	7				
Greatest Height (m)		3.80						
Bracing/Struts/Sheathing			7	7				
Nose Plate			X	X				
Paint/Coating			4	4	Lower 1.0m of piles rusting. Rusting below normal water level. Blue.			
(Colour Description :)								
(Colour Code :)								
Pier Stability			6	6				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		5	5	
Debris (Y/N)	Yes			Old piles & drift.
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)	2.6			Minor @ West pier, old pile in SB.
Drift (Y/N)	Yes			
Slope Protection		5	5	With some rock.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
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	2015	Paint piles at bottom.					
OTHER ACTION	2012	Install bridge file plaques.					
OTHER ACTION	2012	Patch pier caps, 0.2m3 OH-V.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	59.5/64.7	Est. Repl. Yr	2031	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	Jason Saly		Previous Assistant's Name				
Next Inspection Date	09-Oct-2013		Previous Inspection Date	03-Jun-2010			
Inspection Cycle (Default) (months)	21						
Comment							