

Bridge Inspection									
Bridge File Number	00383 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1958/1958				Lot No.	2			
Bridge or Town Name	SUNNYSLOPE				Inspector Name	Dave Lam			
Located Over	LONEPINE CREEK, 3.46.21, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	582:04 C1 15.551				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	16-Jul-2011			
Legal Land Location	SW SEC 20 TWP 31 RGE 27 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-113:48:03, 51:39:51				Data Entry Date	13-Aug-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA29				Review Date	27-Jul-2011			
Clear Roadway/Skew	9.1 /				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	590 / 2010 (A)				Dept. Review Date	29-Aug-2011			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 29 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 74 GIRDER	----> 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	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)	Yes								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	Both sides.				Gas				
Power	1 wire OH North fenceline.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9	Limited sight distance to the West, no passing both directions.				
Vertical Alignment			6	6					
Roadway Width (m)	9.500				Cracks at abut (photo).				
Approach Bump			6	6					
Guardrail (Y/N)	Yes				Insufficient length & posts/spacing.				
Guardrail			6	6					
Length (m)	7.600								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PGO, 3 Spans, Lengths(m): 8.5-8.5-8.5, 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			5	5	Longitudinal cracks @ narrow width between girder.
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Buffer angles covered by overlay.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			4	4	N curb patch is cracked & spalled off. NW curb lift pocket not grouted (photo). Several curb lift pocket grout cracked or spalled. S2 S curb spalled (photo).
(Curb Type : Standard)					
Scaling (Percent Area)		2			
Bridge Rail			7	4	Double layer; not proper splice. West span, both ext girders missing bridgerail/post bolts at 3 posts. 3 nuts & OG washers missing from post to girder connection. Creosote posts, galvanized flexbeam.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			3	3	
(Type : TREATED TIMBER;TREATED TIMBER)					
Bridge Rail/Posts Coating			6	6	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			4	5	4/30 interior girders with wide crack or spall in AZ in 1 leg. S1G1 (not including curb unit) - photo. Not all girders have drift pin installed through cap, no problem. Not including curb units; S2=S, S1=N.
Last Complete Inspection Date		16-Jul-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		10			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 30)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	5	

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 : 2:2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : STEEL)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		1.10				
Wingwalls				7	7	
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	16					
Now	16	0	0	0		
Piles				N	N	
Paint/Coating				4	4	
Block scaling/peeling. HP rusting.						
Abutment Stability				7	7	
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	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : STEEL)						
(Depth(mm) : 360)						
(Width(mm) : 360)						
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	14					
Now	14	0	0	0		
Pier Shaft/Piles				5	5	
Greatest Height (m)		4.30				
Bracing/Struts/Sheathing				4	4	
No cleat at abut piles due to low clearance to ground.						
Nose Plate				5	5	
Bent @ North end P2 but functioning.						
Paint/Coating				5	5	
Creosote piles. HP cap rusting.						
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		7	7	Riprap on both piers to stop erosion.
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		4	5	SW bank erosion, not affecting bridge flow.
HWM (m below Top of Curb)	1.8			(1996)
Drift (Y/N)	No			
Slope Protection		5	5	Some riprap (sparce); well vegetated.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	5	

Previous Inspector's Name	Dave Lam	Previous Assistant's Name	
Next Inspection Date	16-Oct-2014	Previous Inspection Date	22-Sep-2009
Inspection Cycle (Default) (months)	39		
Comment			