

Bridge Inspection										
Bridge File Number	79661 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1984/1984				Lot No.	1				
Bridge or Town Name	SUNNYSLOPE				Inspector Name	Owen Salava				
Located Over	TRIBUTARY TO LONEPINE CREEK, 3.46.21.4, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	791:06 C1 35.119				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	26-Oct-2011				
Legal Land Location	NW SEC 29 TWP 31 RGE 27 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-113:48:29, 51:41:27				Data Entry Date	30-Nov-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA29				Review Date	14-Nov-2011				
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Chris Black				
AADT/Year	370 / 2010 (A)				Dept. Review Date	25-Jan-2012				
Road Classification	RCU-208-110				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	Not required.								

Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Too low.								
Other Sign Types									

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

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		9	9	Hill to south. Intersection 200m North. Slight dip at south and north approach. No passing both directions.					
Vertical Alignment		6	6						
Roadway Width (m)	9.500		Insufficient posts and length.						
Approach Bump	8	8							
Guardrail (Y/N)	Yes								
Guardrail	5	5							
Length (m)	11.300								
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 : SM, 1 Spans, Lengths(m): 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				9	9
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top				N	N
Deck Rideability				9	9
Deck Joints				N	N
Bump (Y/N)		No			ACP covered.
Deck Drainage				7	7
Drains Clogged (Y/N)					No drain holes.
Curbs/Median				7	7
(Curb Type : Standard)					
Scaling (Percent Area)		0			Typical vertical cracking, scaled. 180mm curb height.
Bridge Rail				8	8
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts				8	8
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating				8	8
(Type : GALVANIZED)					
Sidewalk				X	X
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last				1	
Now	0	0	0	1	
Girders				3	3
Last Complete Inspection Date		26-Oct-2011			Curb girders have narrow longit. at abut. Typical 100 to 200mm diagonal cracks on bottoms. G7, N end 150mm diagonal crack with signs of corrosion stains - photo.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 7)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating				3	3

Substructure							
Bridge Component		Last	Now	Explanation of Condition			
Abutments							
(Extended Backwall Piles (Y/N) : Y)							
(Extended Backwall Piles Spacing(mm) : 1300)							
(Total Number of Caps/Corbels : 1:1)				Crowned HP.			
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)			3 (count)	
Last							
Now	0	0	0			0	
Bearing Seats/Caps/Corbels						8	8
(Type : STEEL)							
(Depth(mm) : 305)							
(Width(mm) : 305)							
Backwalls/Breastwalls						8	8
Greatest Height (m)		2.50					
Wingwalls				8	8		
(Total Number of Bearing Piles : 9:9)				H-piles.			
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)			3 (count)	
Last							
Now	0	0	0			0	
Piles						8	8
Paint/Coating						5	5
Abutment Stability						8	8
Scour/Erosion						N	7
Piers/Bents							
(Type :)							
(Total Number of Caps/Corbels :)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Bearing Seats/Caps/Corbels				X	X		
(Type :)							
(Depth(mm) :)							
(Width(mm) :)							
(Total Number of Bearing Piles :)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)			3 (count)	
Last							
Now							
Pier Shaft/Piles						X	X
Greatest Height (m)							
Bracing/Struts/Sheathing						X	X
Nose Plate						X	X
Paint/Coating						X	X
(Colour Description :)							
(Colour Code :)							
Pier Stability				X	X		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)	1.8			(1998/03/02)
Drift (Y/N)	No			
Slope Protection		8	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		8	8	

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	2012	Reinstall hazard markers to meet standard.								
OTHER ACTION	2012	Upgrade approach guardrail to meet standard.								
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	67.8/67.7	Est. Repl. Yr	2040	Maint. Req. (Y/N)	Yes			
Special Comments for Next Inspection	Monitor crack in girder for further deterioration at regular cycle; repair girder when appropriate.		Department Comments							
Maintenance Reviewed By		Date			Estimated Total	0				
Proposed Long-Term Strategy	2006.09.12 With minor maintenance this structure should provide adequate service for at least 25 years. Replacement by 2045.									
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Dave Lam	Previous Assistant's Name								
Next Inspection Date	26-Jan-2015	Previous Inspection Date	22-Sep-2009							
Inspection Cycle (Default) (months)	39									
Comment										

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	2012	Reinstall hazard markers to meet standard.	To Operations			
OTHER ACTION	2012	Upgrade approach guardrail to meet standard.	To Operations			
OTHER ACTION						
OTHER ACTION						

Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	67.8/67.7	Est. Repl. Yr	2040	Maint. Req. (Y/N)	Yes
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Special Comments for Next Inspection	Monitor crack in girder for further deterioration at regular cycle; repair girder when appropriate.	Department Comments	Maintenance sent to Operations. DA
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Maintenance Reviewed By	Darron Ahlstedt	Date	30-Oct-2012	Estimated Total	0
Proposed Long-Term Strategy	2006.09.12 With minor maintenance this structure should provide adequate service for at least 25 years. Replacement by 2045.				
On 3-Year Program (Y/N)					
Proposed Action					
Previous Inspector's Name	Dave Lam	Previous Assistant's Name			
Next Inspection Date	26-Jan-2015	Previous Inspection Date	22-Sep-2009		
Inspection Cycle (Default) (months)	39				

Comment	
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