

Bridge Inspection									
Bridge File Number	71681 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1977/1977				Lot No.	3			
Bridge or Town Name	HOLDEN				Inspector Name	Owen Salava			
Located Over	TRIBUTARY TO WASKWEI CK, 6.5.38.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	14:08 C1 28.144				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	09-Jan-2012			
Legal Land Location	SW SEC 29 TWP 49 RGE 16 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-112:18:60, 53:15:14				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	13.7 / 0 deg.				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	2,160 / 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:	HS25						----> 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	Posting not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types	Two curves in both directions.								
Utilities (Located at)									
Utility Attachments									
Telephone	Plowed in North and South ditches.				Gas				
Power					Municipal				
Others	Railroad tracks 25m North.				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Bridge on S curve. Superelevated.				
Vertical Alignment			7	7					
Roadway Width (m)	12.000								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				First 3 posts @ each corner, no blocking.				
Guardrail			5	6					
Length (m)	22.900				Insufficient length 22.9m @ SE & NW corners, 38.0m @ NE & SW corners.				
Current Standard (Y/N)	No				Insufficient posts; not thrie beam.				
Termination Type	Turn Down								
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 1 Spans, Lengths(m): 9.1, 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			6	4	Chip seal coat on ACP. Asphalt stops 500mm short of curb. 2 longit. cracks reflecting through the seal coat. WBL has patched area lower than surrounding deck along girder line.
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Asphalt covered.
Bump (Y/N)		No			
Deck Drainage			4	4	No drains. Active leakage between G6G7. There is a small isolated spall along underside of G7.
Drains Clogged (Y/N)					
Curbs/Median			3	5	
(Curb Type : Standard)					
Scaling (Percent Area)		15			
Bridge Rail			4	7	Double layer flexbeam.
(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	0	0	0	0	
Girders			4	4	S curb has medium longit. crack with rust stains. Center girder has been patched previously @ 4 locations. Localized spalls under G1,6,7. S curb has spall @ girder end @ W abut.
Last Complete Inspection Date		09-Jan-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	4	

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)					
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 : TREATED TIMBER)					
(Depth(mm) : 356)					
(Width(mm) : 305)					
Backwalls/Breastwalls				6	6
Greatest Height (m)		2.10			
Wingwalls				7	7
(Total Number of Bearing Piles : 13:14)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Piles				5	5
Paint/Coating				X	X
Abutment Stability				7	7
Scour/Erosion				7	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)	Yes			Old piles.
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		7	7	Large slough on south side, mostly grown in with cattails.
HWM (m below Top of Curb)				No HWM visible.
Drift (Y/N)	No			
Slope Protection		6	6	
(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		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2012	Patch girder line depression.					
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	60.1/65.3	Est. Repl. Yr	2024	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							