

Bridge Inspection							
Bridge File Number	07295 -1 Bridge			Form Type	PSR PCS		
Year Built/Year Supstr	1963/1963			Lot No.	1		
Bridge or Town Name	WESTCOTT			Inspector Name	Jason Saly		
Located Over	DOGPOUND CREEK, 3.89.8, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	766:06 C1 1.789			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	15-Feb-2012		
Legal Land Location	SW SEC 26 TWP 31 RGE 3 W5M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-114:19:57, 51:40:48			Data Entry Date	08-Mar-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA29			Review Date	29-Feb-2012		
Clear Roadway/Skew	7.9 /			Dept. Reviewer Name	Andrew Smikles		
AADT/Year	140 / 2010 (A)			Dept. Review Date	21-Mar-2012		
Road Classification	RCU-208-110			Follow-Up By			
Detour Length (km)	4						
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 65 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	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	Various heights; missing at SW.
Other Sign Types	

Utilities (Located at)			
Utility Attachments			
Telephone	West r/w.	Gas	Crosses road south of bridge.
Power	Crosses 200m South.	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		9	8	No passing NB.
Vertical Alignment		7	7	
Roadway Width (m)	7.800			Approach roads reworked Summer 2011.
Approach Bump		5	6	
Guardrail (Y/N)	Yes			
Guardrail		7	7	
Length (m)	11.400			
Current Standard (Y/N)	No			Insufficient posts. Not thrie beam.
Termination Type	Turn Down			
Drainage		7	N	Snow covered.
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PQ, 3 Spans, Lengths(m): 8.5-21.3-8.5, 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			4	8	New chipseal in 2011. (Grout key delam. 29Sep2009).
(Material Type : CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	6	
Deck Joints			X	X	(No joint. Concrete block out. Blockout @ end of girders deteriorating & exposing corroded reinforced steel. 29Sep2009).
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			5	4	No drains. Rust stains at underside emanating from grout keys.
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Double layer. Not standard design splice.
(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			6	6	Girder deterioration from leakage. Minor chip @ SE. Deterioration from leakage on legs & blockouts.
Cracking (Y/N)		No			
Spalling (Percent Area)		1			
(Number Of Girders : 7)					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PQ, 3 Spans, Lengths(m): 8.5-21.3-8.5, A-Ident Number:)					
Diaphragms/Cross Frame		4	4	One spalled @ North pier.	
Bearings		5	5	Fixed: P1 & P2. Rusting.	
Temperature (deg. C)	-7				
(Expansion Type :)					
(Fixed Type : PINNED BEARING)					
Coating Adequate (Y/N)	No				
Functioning (Y/N)	Yes				
Deck Underside		6	6	Staining at joint location both ends.	
Stains (Percent Area)	1				
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating		4	4		
Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Secondary Span : HC)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow along gutters.
Last				30	
Now	10.0	0.0	0.0	0.0	
Wearing Surface		3	8	New chip seal Summer 2011.	
(Material Type : CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top		3	N	(Cracking adjacent to lift/connector pockets, most girders. 29Sep2009).	
Deck Rideability		5	5		
Deck Joints		X	X	Bump due to deteriorating PQ blockouts @ piers.	
Bump (Y/N)	Yes				
Deck Drainage		4	4	Drains between girders eroding headslopes below.	
Drains Clogged (Y/N)	No				
Curbs/Median		3	6	Patched.	
(Curb Type : Standard)					
Scaling (Percent Area)	0				
Bridge Rail		7	7	Double layer. Not standard design splice.	
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts		4	7		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		7	7		
(Type : GALVANIZED)					
Sidewalk		X	X		

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Secondary Span : HC)						
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last				1		
Now	0	0	1	1		
Girders				3	2	There are 9 HC girders per span; there is a box girder btwn 4th & 5th HC girders on teh end span. Box girder next to S1G6 has crack in/above/lower surface with rust stains. S1G4-8 & S3G3-4,7 have 2 girder legs cracked in AZ. S1G7 has spall in AZ & both legs have wide cracks in AZ. Some narrow shear cracks. Small punchout @ S1G6 - photo. Spalling @ pinned locations. (Some lift/connector pockets failed or cracking. 29Sep2009).
Last Complete Inspection Date		15-Feb-2012				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		1				
Lift or Connector Pocket Grouted (Y/N)		No				
(Number Of Girders : 20)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating				3	2	
Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1500)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				6	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 305)						
(Width(mm) : 305)						
Backwalls/Breastwalls				N	N	Buried.
Greatest Height (m)		0.50				
Wingwalls				X	X	
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	7					
Now	7	0	0	0		A1 piles buried. A2 piles rated.
Piles				6	6	
Paint/Coating				X	X	
Abutment Stability				5	5	
Scour/Erosion				4	4	Hslp erosion gully from leaking btwn girders at S hslp.

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 18:18)						
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)						
(Total Number of Bearing Piles : 14:14)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	28					
Now	28	0	0	0		Covered by sheathing & filled with rock. Tops seen.
Pier Shaft/Piles				N	N	
Greatest Height (m)						
Bracing/Struts/Sheathing				7	7	
Nose Plate				7	7	
Paint/Coating				4	4	Nose plate paint peeling, blistering. Green.
(Colour Description :)						
(Colour Code :)						
Pier Stability				7	6	
Scour				N	N	
Debris (Y/N)		No				
Substructure General Rating				5	5	
Structure Usage						
				Last	Now	Explanation of Condition
Channel						
(U/S Direction : W)						
(D/S Direction : E)						
Alignment				6	6	
Bank Stability				5	5	Trees @ NW. Sluffing where banks are high.
HWM (m below Top of Curb)		2.5				(10/Feb/2006)
Drift (Y/N)		No				
Slope Protection				4	4	Sparse, mostly natural & pitrun. Eroding from leaking between girders.
(Type : NATURAL; NATURAL)						
Guidebank/Spurs				X	X	
Adequacy of Opening				9	8	
(Fish Compensation Measure 1 : NONE)						
(Fish Compensation Measure 2 : NONE)						
Channel General Rating				4	4	

Comment	
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Maintenance Recommendations

Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2012	Patch S1G4 punchout @ lift pocket, if not yet done.	Programmed and completed	2012			
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2012	Patch spalled blockout @ PQ ends over piers.	Programmed and completed	2012			
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Grout lift & connector pockes @ tarred one & where delaminated, if not yet done.	Programmed and completed	2012			
OTHER ACTION	2012	Reset hazard markers to standard height.	Operations	2012			
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/38.9	Sufficiency Rating (Last/Now) (%)	60.3/58.0	Est. Repl. Yr	2015	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	No action required for HC girders at this time; continue to monitor box girder through regular inspection.		Department Comments	DA			
Maintenance Reviewed By	Darron Ahlstedt		Date	05-Nov-2012	Estimated Total	0	

Proposed Long-Term Strategy			
On 3-Year Program (Y/N)			
Proposed Action			
Previous Inspector's Name	Dave Lam	Previous Assistant's Name	
Next Inspection Date	15-May-2015	Previous Inspection Date	29-Sep-2009
Inspection Cycle (Default) (months)	39		
Comment			