

Bridge Inspection							
Bridge File Number	00713 -1 Bridge			Form Type	PSR PCS		
Year Built/Year Supstr	1968/1968			Lot No.	1		
Bridge or Town Name	DIDSBURY			Inspector Name	Owen Salava		
Located Over	DOGPOUND CREEK, 3.89.8, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	582:02 C1 13.567			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	10-Aug-2011		
Legal Land Location	SE SEC 23 TWP 31 RGE 3 W5M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-114:19:13, 51:39:51			Data Entry Date	09-Sep-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA28			Review Date	15-Aug-2011		
Clear Roadway/Skew	9.1 /			Dept. Reviewer Name	Andrew Smikles		
AADT/Year	1,040 / 2010 (A)			Dept. Review Date	15-Sep-2011		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	17						
Allowable Load (t):	Single	CS1 28 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	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	Peeling and too low.						
Other Sign Types							

Utilities (Located at)			
Utility Attachments			
Telephone	South r/w.		Gas
Power	2 wire 25.0m north of c/l.		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Slight curve to West. Crest curve to East.
Vertical Alignment		7	7	
Roadway Width (m)	8.100			Bridge is approx 30mm higher than approaches, patched to ramp up to bridge in travel lanes but not to outside shoulder paint lines.
Approach Bump		4	4	
Guardrail (Y/N)	Yes			
Guardrail		7	7	Insufficient posts/length. Not thrie beam.
Length (m)	15.400			
Current Standard (Y/N)	No			
Termination Type	Turned Down			
Drainage		4	4	Approach runoff eroding corners of headslopes - photo.
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FC, 3 Spans, Lengths(m): 6.1-25.9-6.1, 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				7	7
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Paved over.
Deck Rideability			8	8	
Deck Joints			N	N	Paved over. Cracked @ P2, leaking - photo.
Temperature (deg. C)		14			
(Expansion Type :)					
(Fixed Type : ASPHALTIC FIBRE BOARD)					
Gap Size (mm)		Gap Location			
Deck Drainage			4	4	Joints leak onto piers without drains. Weep tubes on ext girders staining underside, no extension - photo.
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	100x600mm long spall near P1.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			5	5	Single layer.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			2	2	One post in North side not anchored to curb & rotated - photo. 4 anchor bolts sheared-off.
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
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			5	5	Typical chamfer cracking. Minor, narrow.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 6)					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FC, 3 Spans, Lengths(m): 6.1-25.9-6.1, A-Ident Number:)					
Diaphragms/Cross Frame		8	8		
Bearings		7	7	P1 & P2.	
Temperature (deg. C)	14				
(Expansion Type :)					
(Fixed Type : PINNED BEARING)					
Coating Adequate (Y/N)	Yes				
Functioning (Y/N)	Yes				
Deck Underside		8	8		
Stains (Percent Area)	0				
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating		5	5		
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 (%)	
Last					
Now	0.0	0.0	0.0	0.0	
Wearing Surface		7	7	Asphalt 200mm at ends of HC's.	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N		
Deck Rideability		7	7		
Deck Joints		N	N	Paved over.	
Bump (Y/N)	No				
Deck Drainage		7	7		
Drains Clogged (Y/N)	No				
Curbs/Median		5	5	Curbs less effective due to depth of asphalt. Rail height 540mm range. Curb height @ abutment approx 120mm - photo.	
(Curb Type : Standard)					
Scaling (Percent Area)	0				
Bridge Rail		5	5	Single layer.	
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts		4	4	One nut not fully engaged in North rail post in S1 - photo.	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		6	6		
(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						
Now	0	0	0	0		
Girders				5	5	
Last Complete Inspection Date		10-Aug-2011				Flexural cracks. Shear cracks, narrow, at S1G4-5 & S3G3. Spalling at pinned locations at piers.
Cracking (Y/N)		Yes				
Spalling (Percent Area)		1				
Lift or Connector Pocket Grouted (Y/N)						Not visible.
(Number Of Girders : 22)						
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) : Y)						
(Extended Backwall Piles Spacing(mm) : 1400)						
(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				7	7	
Greatest Height (m)		1.00				
Wingwalls				7	7	
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	3	0	0	0		
Piles				5	5	
Paint/Coating				X	X	
Abutment Stability				5	5	Some movement.
Scour/Erosion				5	5	Erosion from NW, NE & SE corners down the hslp.

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Piers/Bents						
(Type : PIER-SOLID)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						Seats wet from jnt leakage.
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						Shafts wet from jnt leakage.
Now	0	0	0	0		
Pier Shaft/Piles				8	8	
Greatest Height (m)		3.50				
Bracing/Struts/Sheathing				X	X	
Nose Plate				7	7	
Paint/Coating				5	5	Stained. Red.
(Colour Description :)						
(Colour Code :)						
Pier Stability				9	9	
Scour				5	5	
Debris (Y/N)		No				
Substructure General Rating				5	5	
Structure Usage						
				Last	Now	Explanation of Condition
Channel						
(U/S Direction : S)						
(D/S Direction : N)						
Alignment				8	8	
Bank Stability				6	6	Cut bank 100m U/S & D/S.
HWM (m below Top of Curb)				HWM not visible.		
Drift (Y/N)		No				
Slope Protection				9	9	Some CL1 rock at P2.
(Type : NATURAL; NATURAL)						
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	2012	Tighten one nut in North rail S1 & install 1 set of 4 A/B in S2 North side.					
GALVANIZE/PAINT BRIDGE RAIL	2012	Upgrade bridgerail to meet standard.					
SEAL CURBS	2012	Seal. Patch spall 0.1m3 OH-V.					
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2012	Seal pier joints from leaking.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION	2012	Repair erosion @ headslopes - 8m3 pitrun.					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Reset hazard markers to meet standard with new signs.					
OTHER ACTION	2012	Upgrade approach guardrail to meet standard.					
OTHER ACTION	2012	Seal pier cap/shaft.					
OTHER ACTION	2012	Pave approaches with longer tapers & full width for smoother transition.					
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	65.8/64.4	Est. Repl. Yr	2021	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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	10-Nov-2014		Previous Inspection Date	30-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							