

Bridge Inspection							
Bridge File Number	01423 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1959/1959			Lot No.	2		
Bridge or Town Name	TEES			Inspector Name	Jason Saly		
Located Over	PARLBY CREEK, 3.65.2.1.1, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	50:02 C1 1.674			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	15-Feb-2013		
Legal Land Location	SW SEC 29 TWP 40 RGE 23 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-113:17:11, 52:27:52			Data Entry Date	14-Mar-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA20			Review Date	26-Feb-2013		
Clear Roadway/Skew	9.1 /			Dept. Reviewer Name	Chris Black		
AADT/Year	540 / 2011 (A)			Dept. Review Date	14-Mar-2013		
Road Classification	RAU-209-110			Follow-Up By			
Detour Length (km)	6						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 62 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)	No						
Remarks							
Other Sign Types	Bump Ahead, School Bus Stop Ahead.						

Utilities (Located at)			
Utility Attachments			
Telephone	South r/w on South side of bridgerail.		Gas
Power			Municipal
Others	Water metering device West pier & E pier.		Problem (Y/N) Yes
Remarks	Conduit disconnected.		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	In "S" curve with limited sight distance in both directions, no passing.
Vertical Alignment		7	7	
Roadway Width (m)	7.700			W approach has settled but has been patched over & bump is still there. (Pothole forming at W abut. 19Jun2012).
Approach Bump		5	5	
Guardrail (Y/N)	Yes			Minor creases but functional.
Guardrail		5	5	Insufficient posts/spacing. NE - 44.8m; NW - 26.6m; SE - 30.4m; SW - 25.5m.
Length (m)	26.000			
Current Standard (Y/N)	No			
Termination Type	Turn Down			
Drainage		7	7	
Approach Road General Rating		5	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PG, 3 Spans, Lengths(m): 6.1-6.1-6.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.
Last	0	0	0	10	
Now	5.0	0.0	0.0	0.0	
Wearing Surface			3	4	8 wide longit. crack lines per span - cracks are sealed. (ACP stops short of curb face (photo). 19Jun2012) - Dirt/snow covered.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			N	N	Paved over.
Bump (Y/N)		Yes			
Deck Drainage			7	4	Active leaking btwn girders due to cracks in ACP. See girder comments; longit. cracks in ACP have been sealed - no further action required.
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Typical vertical cracks, minor chips.
(Curb Type : Standard)					
Scaling (Percent Area)		2			
Bridge Rail			4	4	Double layer; splice not to standard. All splice bolts (8/splice) are in place; not all match holes. (Missing 16 splice bolts (photo). 19Jun2012).
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			4	4	Missing rail to post connector bolt, N rail, E post of W span. 4 post A/Bs have insufficient thread.
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			5	5	2% superficial corrosion.
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			4	4	No current action for "4" rated girders; maintain regular inspection schedule. 100% of girders are spalled in AZ or have cracking in AZ on 2 legs.
Last Complete Inspection Date		15-Feb-2013			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		10			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 33)					
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) : 1500)							
(Total Number of Caps/Corbels : 6:5)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			
Bearing Seats/Caps/Corbels				7	7	(Cored 2012 - no rot. 19Jun2012).	
(Type : TREATED TIMBER)							
(Depth(mm) : 300)							
(Width(mm) : 300)							
Backwalls/Breastwalls				6	6		
Greatest Height (m)		2.20					
Wingwalls				4	4	NW wing pile tin top damaged, pile top rotten. SW wing pile no tintop with rot at top (photo).	
(Total Number of Bearing Piles : 7:7)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			
Piles				6	6	(Cored 2012 - no rot. 19Jun2012).	
Paint/Coating				X	X		
Abutment Stability				7	7		
Scour/Erosion				6	5	Minor erosion gullies.	
Piers/Bents							
(Type : PIER-COLUMN)							
(Total Number of Caps/Corbels : 5:5)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			
Bearing Seats/Caps/Corbels				6	6	(Cored 2012 - no rot. 19Jun2012).	
(Type : TREATED TIMBER)							
(Depth(mm) : 300)							
(Width(mm) : 300)							
(Total Number of Bearing Piles : 7:7)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			
Pier Shaft/Piles				4	4	Ice abrasion to N pile, W pier. (Cored 2012 - no rot. 19Jun2012).	
Greatest Height (m)		3.80					
Bracing/Struts/Sheathing				5	5	Bracing, minor splits.	
Nose Plate				X	X		
Paint/Coating				X	X		
(Colour Description :)							
(Colour Code :)							

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		5	N	Iced/snow
Debris (Y/N)	Yes			Log on W hslp.
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				80 degree bends 20m U/S & 20m D/S.
(D/S Direction : S)				
Alignment		6	6	
Bank Stability		5	5	
HWM (m below Top of Curb)	1.5			
Drift (Y/N)	Yes			
Slope Protection		6	6	Some rock on East headslope.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Extend anchor bolts; add 1 connector bolt.					
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	2013	Contact utility company.					
OTHER ACTION	2013	Seal transverse crack.					
OTHER ACTION	2013	Patch pothole, if not yet done.					
OTHER ACTION	2013	Upgrade guardrail to std.					
OTHER ACTION	2013	Consider installing metal sheeting to protect N pile at P1 till bridge replaced.					
OTHER ACTION	2013	Install/replace tin at NW,SW wingwall piles.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	59.1/59.1	Est. Repl. Yr	2018	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Consider replacing bridge. Cored 2012.		Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy	2004.04.29 Bridge should be good until 2014.						
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Kris Bosters		Previous Assistant's Name				
Next Inspection Date	15-Nov-2014		Previous Inspection Date	19-Jun-2012			
Inspection Cycle (Default) (months)	21						
Comment							