

Bridge Inspection									
Bridge File Number	77873 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1974/1974				Lot No.	3			
Bridge or Town Name	TEES				Inspector Name	Owen Salava			
Located Over	PARLBY CREEK, 3.65.2.1.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	821:02 C1 4.282				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	14-Aug-2012			
Legal Land Location	NW SEC 6 TWP 41 RGE 23 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-113:18:56, 52:30:06				Data Entry Date	06-Sep-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA20				Review Date	04-Sep-2012			
Clear Roadway/Skew	8.8 / -30 deg. (LHF)				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	520 / 2011 (A)				Dept. Review Date	12-Sep-2012			
Road Classification	RCU-209-110				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	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)	No								
Remarks	Not required.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9	Slight grade rise at bridge.				
Vertical Alignment			9	9					
Roadway Width (m)	8.000				Hole in ACP at N abut, near W shoulder.				
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Rail is 1 section too short.				
Guardrail			6	6					
Length (m)	12.000								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage			7	7					
Approach Road General Rating			9	9					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 2 Spans, Lengths(m): 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 (%)	
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
Deck Rideability				7	7
Deck Joints				N	N
Bump (Y/N)		No		ACP covered.	
Deck Drainage				4	4
Drains Clogged (Y/N)		No		Leakage between girders staining and spalling underside. No deck drains.	
Curbs/Median				5	5
(Curb Type : Standard)					
Scaling (Percent Area)		0		Some snow plow scrapes. Sealed.	
Bridge Rail				7	7
(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				1	
Now	0	0	0	1	
Girders				3	3
Last Complete Inspection Date		14-Aug-2012		S1G1 has 2 longit. cracking due to water in voids freezing - photo. S1G1 cracked at connectors along inside edge. End spalls at pier, E side. Deck underside rust staining from connection pockets. Leaking btwn girders.	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 16)					
Span Alignment Problems					
Vertical (Y/N)		No		Twisted 300mm due to skew.	
Horizontal (Y/N)		Yes			
Superstructure General Rating				3	3

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)		Extended piles converted to bearing piles when it was widened.				
(Extended Backwall Piles Spacing(mm) :)						
(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		4	4	Vertical cracking @ SE & NE end of A1 & 2 - photo. Caps starting to roll inwards at both abuts.		
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls		4	4	Gaps in A2 exposing backfill, no infiltration.		
Greatest Height (m)		2.10				
Wingwalls		4	3	SE planking separating. SW wing pile rotten.		
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Piles		4	4	A2P1 not bearing for 200mm width. A2P2/4 have large shims.		
Paint/Coating		X	X			
Abutment Stability		6	6			
Scour/Erosion		6	6			
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 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		4	4	Split cap @ E end - photo.		
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
(Total Number of Bearing Piles : 9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Pier Shaft/Piles		5	5	W pile has wide vertical check beyond preservative. Pile 7 has wide vertical checking.		
Greatest Height (m)		2.30				
Bracing/Struts/Sheathing		6	6			
Nose Plate		X	X			
Paint/Coating		X	X			
(Colour Description :)						
(Colour Code :)						
Pier Stability		7	7			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		N	N	
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			Beaver dam 30m d/s.
Slope Protection		5	5	Some rock at headslopes.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2012	Patch ACP hole at A2, 0.05m3 ACP patch.					
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) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	58.9/57.5	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor backwall for loss of fill material. Monitor crack in S1G1 curb unit; it drains not as is. Monitor wingwall for stability. The substructure looks older than the superstructure; I would recommend a concrete overlay if substructure was in better shape.		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	Owen Salava	Previous Assistant's Name					
Next Inspection Date	14-Nov-2015	Previous Inspection Date	03-Sep-2009				
Inspection Cycle (Default) (months)	39						
Comment							