

Bridge Inspection									
Bridge File Number	78803 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1977/1977				Lot No.	4			
Bridge or Town Name	ONEFOUR				Inspector Name	Jon Davies			
Located Over	SAGE CREEK, 29, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	501:10 C1 28.142				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	20-Jun-2012			
Legal Land Location	SW SEC 6 TWP 4 RGE 3 W4M				Data Entry By	Lauren Korte			
Longitude, Latitude	-110:24:29, 49:15:45				Data Entry Date	25-Jul-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA23				Review Date	01-Jul-2012			
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	70 / 2011 (A)				Dept. Review Date	30-Jul-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	10								
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	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Curve sign West.								

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks	None apparent.								

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Curve 100m West (able to drive at 80km/hr). Hill West-500m sight distance.				
Vertical Alignment			7	7					
Roadway Width (m)	9.300				1 post last section, 2 sections total. Insufficient posts and length. Wrong lap at NW T.D. end.				
Approach Bump			7	6					
Guardrail (Y/N)	Yes								
Guardrail			7	6					
Length (m)	7.600								
Current Standard (Y/N)	No								
Termination Type	TURNDOWN								
Drainage			7	4	Water flowing off bridge NE and NW head slope.				
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 3 Spans, Lengths(m): 7.6-7.6-7.6, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)					
Deck Top			6	6	Pitting from gravel, narrow longitudinal cracking down center, shallow spall East span (.6mX1mX.03m). Gravel outer 1m.
Deck Rideability			7	6	
Deck Joints			7	4	Buffer angles. Damaged buffer angles at East end of Span 3 G4.
Bump (Y/N)		Yes			
Deck Drainage			6	6	Drains through deck. No drains.
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Minor all corners have spalls & flex cracks.
(Curb Type : Standard)					
Scaling (Percent Area)		10			
Bridge Rail			7	7	Single layer.
(Type : STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type :)					
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			5	5	Narrow longitudinal cracks along mid bottom of most girders.
Last Complete Inspection Date		20-Jun-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 24)					
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)				Subcap at center 300 x 300mm. Cap on steel plates.	
(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	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				6	5
(Type : TREATED TIMBER)					
(Depth(mm) : 300)					
(Width(mm) : 350)					
Backwalls/Breastwalls				7	6
Greatest Height (m)		1.20			
Wingwalls				7	6
(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				6	5
Paint/Coating				X	X
Abutment Stability				7	6
Scour/Erosion				7	5
Moderate erosion gullies at NW and NE headslope.					
Piers/Bents					
(Type : PIER-COLUMN)					
(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	5
(Type : TREATED TIMBER)					
(Depth(mm) : 305)					
(Width(mm) : 356)					
(Total Number of Bearing Piles : 9:9)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Pier Shaft/Piles				6	5
Greatest Height (m)		3.30			
Bracing/Struts/Sheathing				7	6
Nose Plate				X	X

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	6	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		6	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Curb)	2.0			No HWM visible.
Drift (Y/N)	No			
Slope Protection		7	5	
(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		7	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2012	Remove damaged buffer angle Sp.3-G4.					
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) (%)	61.1/55.6	Sufficiency Rating (Last/Now) (%)	69.9/64.8	Est. Repl. Yr	2025	Maint. Req. (Y/N)	No
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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	20-Sep-2015		Previous Inspection Date	14-Jun-2009			
Inspection Cycle (Default) (months)	39						
Comment							