

Bridge Inspection									
Bridge File Number	01253 -2 Bridge				Form Type	PSR			
Year Built/Year Supstr	2001/2001				Lot No.	1			
Bridge or Town Name	TABER				Inspector Name	Garry Roberts			
Located Over	OLDMAN RIVER, 2.12, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	864:02 C1 4.083				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	19-Mar-2012			
Legal Land Location	NE SEC 12 TWP 10 RGE 17 W4M				Data Entry By	Lauren Korte			
Longitude, Latitude	-112:10:21, 49:48:51				Data Entry Date	12-Apr-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA24				Review Date	23-Mar-2012			
Clear Roadway/Skew	9 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	1,670 / 2011 (A)				Dept. Review Date	17-Apr-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	30								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750						----> 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	Curve, Grade 100km/hr North, 80km/hr South.								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE								
Telephone	East r/w.				Gas				
Power	8 lines crossing 300m North.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		5	5	In sag curve with curves @ both ends.					
Vertical Alignment		6	5	Cracks in roof slabs.					
Roadway Width (m)	9.000			70mm heave at NE.					
Approach Bump		7	4						
Guardrail (Y/N)		Yes		Transition damage at NE.					
Guardrail		7	3	Wrong lap at SE.					
Length (m)		42.000							
Current Standard (Y/N)		Yes							
Termination Type		TURNDOWN							
Drainage		7	3	Erosion under NW trough drain and ponding NE and NW roof slab extends 1 m into driving lanes.					
Approach Road General Rating		5	3	Safety issue with drainage.					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : NU, 5 Spans, Lengths(m): 57.5-62-62-62-57.5, 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			X	X	Concrete. Cast deck.
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			7	7	Minor cracks @ end spans. Silica fume concrete with polymer fibres.
Deck Rideability			8	8	
Deck Joints			9	8	
Temperature (deg. C)		-2			
(Expansion Type : FINGER PLATES)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
130		South Abutment			
145		North abutment			
Deck Drainage			9	8	
Drains Clogged (Y/N)		No			
Curbs/Median			9	8	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			9	8	Minor grout pad cracks & spalls. 6 post A/B with less than full nut engaged.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	4	Scrapes @ top rails.
(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			7	7	One girder button missing @ span 3, girder 3 @ North end. Narrow cracks @ bottom of bottom flanges @ North abutment. Other cracks epoxy injected & patched. Numerous cracks found @ 2008 level 2 inspection. Rating for this level 1 inspection. Swing stages @ pier 1+4 for monitoring of cracks. 4 continuous girders.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 0)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 5 Spans, Lengths(m): 57.5-62-62-62-57.5, A-Ident Number:)				
Diaphragms/Cross Frame		6	7	Medium width horizontal cracks @ both abutment diaphragms @ exterior.
Bearings		9	8	Pedestals installed @ pier 1+4 to monitor girder deflections from pier seat to bottom of girder.
Temperature (deg. C)	-2			
(Expansion Type : POT BEARING)				
(Fixed Type : POT 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			Girder diaphragm is offset from center of P1 approximately 200mm- no present problems.
Horizontal (Y/N)	Yes			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		9	8	6m road under span #1.
(Type : CONCRETE)				
Backwalls/Breastwalls		9	8	
Wingwalls		9	8	
Piles		N	N	Buried.
Paint/Coating		X	X	
Abutment Stability		9	8	
Scour/Erosion		9	8	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		9	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0:0:0)				
Pier Shaft/Piles		9	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		9	8	
Paint/Coating		9	8	No Coating on pier. Nose plates are galvanized.
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	8	
Scour		7	6	Local pier scour 1 to 1.5m deep @ pier 3.
Debris (Y/N)	No			
Substructure General Rating		9	8	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		6	6	Steep cut @ North.
HWM (m below Top of Curb)	9.0			
Drift (Y/N)	No			
Slope Protection (Type : RIP RAP; RIP RAP)		8	8	Natural @ most areas, except some areas some class 2 @ North.
Guidebank/Spurs		X	X	
Adequacy of Opening		9	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Replace NE transition shoe.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2012	Patch NE approach.					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION	2012	Repair erosion and improve drainage to prevent ponding at NE and NW.					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/83.3	Sufficiency Rating (Last/Now) (%)	75.5/61.9	Est. Repl. Yr	2076	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Level 2 inspection done 2008 found numerous cracks- pedestals installed @ pier 1 and 4 to monitor girder deflections. Monitor P1 offset.		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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	19-Jun-2015		Previous Inspection Date	22-Jan-2009			
Inspection Cycle (Default) (months)	39						
Comment							