

Bridge Inspection										
Bridge File Number	07750 -1 Bridge				Form Type	PSR				
Year Built/Year Supstr	1989/1989				Lot No.	2				
Bridge or Town Name	THORSBY				Inspector Name	Shane Hall				
Located Over	WEED CREEK, 6.110, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	778:02 C1 17.594				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	30-Mar-2012				
Legal Land Location	NW SEC 14 TWP 49 RGE 1 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-114:03:02, 53:14:03				Data Entry Date	04-Apr-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA11				Review Date	04-Apr-2012				
Clear Roadway/Skew	10.7 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year	2,140 / 2011 (A)				Dept. Review Date	11-Apr-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:	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	Information/Speed								

Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone	East r/w & West side of bridge.				Gas	East of bridge 30 m.				
Power	3 wires East r/w.				Municipal	Light standard East r/w.				
Others	WSC gauge SW.				Problem (Y/N)	No				
Remarks										

Approach Road											
			Last	Now	Explanation of Condition						
Horizontal Alignment			7	7	Entrances to North & South. Slight grade to north.						
Vertical Alignment			7	7							
Roadway Width (m)	9.000										
Approach Bump			6	6							
Guardrail (Y/N)	Yes		Damaged NE turndown section but functional. 2 broken and 2 missing posts & 3 sections of damaged W-beam - guardrail @ SW corner.-photo								
Guardrail										5	3
Length (m)	36.000										
Current Standard (Y/N)	Yes										
Termination Type	Turned Down										
Drainage			N	5							
Approach Road General Rating			7	7							

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : DBC, 1 Spans, Lengths(m): 40, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	65				
Now					
Wearing Surface			5	7	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			N	6	
Temperature (deg. C)		8			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
77		N. abut.			
74		S. abut.			
Deck Drainage			N	4	
Drains Clogged (Y/N)		No			
Curbs/Median			N	5	
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			N	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					
Now					
Girders			5	5	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 10)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBC, 1 Spans, Lengths(m): 40, A-Ident Number:)				
Diaphragms/Cross Frame		8	8	
Bearings		8	8	
Temperature (deg. C)	2			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD 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	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		6	6	Map cracks in wingwalls.
Piles		N	N	
Paint/Coating		5	5	Starting to peel back from cracks.
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			4 old timber piles in channel.
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Sharp bend U/S.
(D/S Direction : E)				
Alignment		5	5	
Bank Stability		N	4	Vertical eroding bank @ NW corner - not affecting bridge yet.-photo
HWM (m below Top of Curb)				HWM not visible. Old piles, beaver dam under bridge.
Drift (Y/N)		Yes		
Slope Protection		6	6	
(Type : RIP RAP; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING	2012						
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Clean out deck drains.					
OTHER ACTION	2012	Repair approach guardrail.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	65.0/63.9	Est. Repl. Yr	2055	Maint. Req'd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girder cracks. Monitor bank erosion on u/s.		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	Jason Saly		Previous Assistant's Name				
Next Inspection Date	30-Jun-2015		Previous Inspection Date	23-Dec-2008			
Inspection Cycle (Default) (months)	39						
Comment							