

Bridge Inspection											
Bridge File Number	73442 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1986/1986				Lot No.	2					
Bridge or Town Name	HIGH LEVEL				Inspector Name	Brian Pientsch					
Located Over	MELITO CREEK, 8.10.23.7.1, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	35:14 C1 39.116				Assistant Name	Russel Vanderschaaf					
Water Body Cl./Year					Assistant Class	BR CLS B					
Navigabil. Cl./Year					Inspection Date	08-Dec-2011					
Legal Land Location	NW SEC 26 TWP 108 RGE 20 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-117:13:57, 58:24:34				Data Entry Date	14-Dec-2011					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA01				Review Date	13-Dec-2011					
Clear Roadway/Skew	12.1 /				Dept. Reviewer Name	Steve Pasquan					
AADT/Year	1,290 / 2010 (A)				Dept. Review Date	11-Jan-2012					
Road Classification	RAU-210-110				Follow-Up By						
Detour Length (km)	999										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	MS300									----> 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									
Hazard Marker At Bridge (Y/N)		Yes							
Remarks		Installed on approach rail.							
Other Sign Types		MELITO CREEK-Southbound sign missing							

Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone					Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9					
Vertical Alignment			9	9					
Roadway Width (m)	10.000				Terminal section @ SE corner torn - photo. 135 degree bracket post cracked @ NW corner. -10-Feb-2010 Insufficient post next to bridge. Missing & incorrect bolt used @ approach rail to b-rail connections - typical all four corners.-photo Snow covered.				
Approach Bump			8	7					
Guardrail (Y/N)	Yes								
Guardrail			N	3					
Length (m)	34.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN ENDS								
Drainage			7	7					
Approach Road General Rating			9	9					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SMC, 3 Spans, Lengths(m): 8-11-8, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Shoulders snow covered.	
Last	20	0	0	0		
Now	25.0	0.0	0.0	0.0		
Wearing Surface			7	7		
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 90)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			X	X		
Bump (Y/N)		No				
Deck Drainage			7	3	Drains causing staining on underside of girders.-photo	
Drains Clogged (Y/N)		No				
Curbs/Median			N	N	Vert. racks & stains on outside face at rail posts. Spall outside face @ NE pier blockout area. (Inside curb faces scaling - 2005-03-19) snowcovered.	
(Curb Type : Standard)						
Scaling (Percent Area)		1				
Bridge Rail			N	N	Missing bridge rail splice bolt. Snow covered.	
(Type : GALVANIZED STEEL TUBE BEAM TYPE 1)						
Bridge Rail Posts			N	N		
(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	0	0	0	1		
Now						
Girders			3	4	Cracking & scaling at poured connections on outer curb faces. S1G1 -repaired Rust stains at S1G11 and S3G1 strain locations.	
Last Complete Inspection Date		08-Dec-2011				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		1				
Lift or Connector Pocket Grouted (Y/N)						
(Number Of Girders : 11)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating			3	4		

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				8	8	
(Type : CONCRETE)						
(Depth(mm) : 500)						
(Width(mm) : 800)						
Backwalls/Breastwalls				N	N	
Greatest Height (m)		1.40				
Wingwalls				9	9	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	100	0	0	0		
Piles				N	N	
Paint/Coating				5	5	
Rust stains @ snaptie locations & surface aggregate spalls. Cap seal starting to peel.						
Abutment Stability				7	7	
Scour/Erosion				7	7	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth(mm) : 800)						
(Width(mm) : 600)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				7	7	
Greatest Height (m)		2.40				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				4	4	
Scaling rust.						
(Colour Description : BROWN)						
(Colour Code : 30252)						
Pier Stability				8	8	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		8	8	
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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	Install missing splice bolts-08-Nov-2006 Snow covered.(If not already completed.)					
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	2012	Install missing AR bolts and transition bolts and repair transition					
OTHER ACTION	2012	Extend drains					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/61.1	Sufficiency Rating (Last/Now) (%)	58.6/61.7	Est. Repl. Yr	2050	Maint. Req. (Y/N)	Yes
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	Brian Pientsch		Previous Assistant's Name				
Next Inspection Date	08-Sep-2013		Previous Inspection Date	18-Feb-2010			
Inspection Cycle (Default) (months)	21						
Comment							