					Brida	e Culve	ert Insn	ection					
Bridge File Number 71907 -1 Bridge Culvert			-11 le g	o ouive	Form Type		CUL1	CUL1					
Year Built 1981							Lot No.			2			
Bridge or Town Name HOLYOK			YOKE				tor Name		Todd Warshawski				
Located Over			TRIBUTARY TO MURIEL CREEK, 7.5.7,					Inspector Class BR CLS B					
		WATER	CRS-ST		.,	,		ant Name					
Located On		657:04 C	C1 7.287				Assistant Class						
Water Body C	I./Year					Inspection Date		14-Dec-2011	14-Dec-2011				
Navigabil. Cl./Year							Data Entry By			Theresa Lacusta			
		NW SEC	EC 6 TWP 60 RGE 4 W4M				Data Entry Date		14-Jan-2012				
		-110:36:1	-110.36.10 54.00.48					ver Name	Eric Carcoux				
		Alberta Transportation (AIT)					Review Date		04-Jan-2012				
Contract Main. Area CMA08		CMA08	08						ne Brent Herrick				
Clear Roadwa	y/Skew	9.7 / 11 0	11 deg. (RHF)					Review Date	18-Jan-2012				
AADT/Year		940 / 201	940 / 2010 (A)						10 0411 2012				
Road Classific	ation	RCU-210	U-210-110				Follow-Up By						
Detour Length	(km)	50											
Bridge Culver	rt Inform	nation											
Number of Cu	lverts	1											
Pipe #	Barrel	S	Span	Rise (or D	Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		2200		MP		36	68X13	2.8	ROUND		
Special Featur	res						100		·				
Special Featur		ment											
•													
					Uti	ilities (L	ocated	at)					
Utility Attachm													
Telephone West r/w.						Gas							
Power							Munici						
Others							Proble	m (Y/N) No					
Remarks	BF tag	g @ top of	f East end roo										
							/ Embankment Explanation of Condition						
Horizontal Alignment					<u> 7</u>	7	Entrance SE & SW.						
					7	7	In sag,	limited sight	distance. No pas	sing.			
Vertical Alignment Roadway Width (m) 9			9.700										
Toauway Widi	(111)		9.700										
Embankment					8	8							
Sideslope (_	_:1)		3.0				1						
(Height of Co	over(m)	2.5)											
Guardrail (Y/N)		No										
Approach Ro	ad / Eml	bankmen	t General Rat	ting	7	7							
						Upstre	am Enc						
Culvert Comp	onent				Last	Now		nation of Cor	ndition				
Direction					 E	1							
End Treatmen	t (Concre	ete, Steel,	STEEL				-						
Others, None) Headwall					X	Х							
Collar				X	X								
Wingwalls				X	X								
(Shape:)				,	1								
Cutoff Wall				Х	Х								

71907 -1 Bridge Culvert

			Hastro	om End
Culvent Courses				eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	1.50	7	6	
Heaving (mm)	150			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		7	N	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		7	N	
Beavers (Y/N)	Yes			1.5m high dam @ inlet - photo.
Upstream End General Rating		7	6	
		Bri	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN,	Span (mm	1):	, Rise (mm): 2200, Type: MP)
Barrel Last Accessible Date	14-Dec-2011			
Special Features				
Special Feature				
(Type:)		·		
Special Feature				
(Type:)				
Roof		5	4	Sag not measured due to ice. Noticable flattening of roof sections.
Measured Rise (mm)	2070			1 -
Measured At Ring No.	2010			Sag estimated at 10%
Sag (mm)	130			
Percent Sag	6			-
	U	4		
Sidewall	0.400	4	4	
Measured Span (mm)	2409			West of centerline.
Measured At Ring No.	2			
Deflection (mm)	209			
Percent Deflection	10			
Floor	1	5	N	Covered by ice.
Bulge (mm)	0			Minor, rocks washed into barrelAug,2008
Measured At Ring No.				_
Abrasion (Y/N)	Yes			
Circumferential Seams		5	5	
Separation (mm)	140			
Longitudinal Seams		Х	X	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		6	6	Bottom 1/2 of culvert has minor superficial rusting.
Corrosion By Soil (Y/N)	No		U	2000 1/2 of outroit has finite superious rusting.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Bridge Culvert Barrel										
Culvert Component		Last Now		Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2200, Type: MP)						
Fish Passage Adequacy		Х	Х							
Baffle		Х	X							
(Type:)										
Waterway Adequacy		4	4	Restricted by beaver dam @ inlet.						
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	Yes									
Barrel General Rating			4							
Culvert Component		Last	Now	Explanation of Condition						
Direction		W	INOW	Explanation of Condition						
End Treatment (Concrete, Steel,	STEEL	VV								
Others, None)	SILLE									
Headwall		Х	Х							
Collar		Х	Х							
Wingwalls		X	X							
(Shape:)										
Cutoff Wall			Х							
Bevel End			7							
Heaving (mm)	50									
Invert Above/Below Stream Bed										
Above/Below (mm)	0									
Scour Protection		4	N	Grassed over, not much rock visibleAug,2008						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 200)										
Scour/Erosion		4	N	Bevel projecting from fill 1m. Grassed over, not much rock visibleAUg, 2008						
Beavers (Y/N)	No									
Downstream End General Rating			4	GR carried fwd from Aug 6, 2008						
		S	tr <u>uctu</u>	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		7	7							
Bank Stability		8	8							
HWM (m below Top of Culvert)			1	HWM not visible						
Drift (Y/N) Yes										
Channel Bottom Degrading/Aggrading										
Beavers (Y/N) Yes										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		7	7							

		Maintenance R	ecommend	ations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP	2012	30m3 @ outlet end, if not not alread	ly done.						
REMOVE DRIFT ACCUMULATION	2012	Remove dam @ inlet.							
INSTALL CONCRETE/STEEL LINING	}								
INSTALL STRUTS	2012								
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	low) 44.4/44	Sufficiency Rating (Last/N (%)		14.9/43.7	Est. Repl. Yr	2030 Maint. Re		qd. (Y/N)	Yes
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Dave Lam		Assistant's Name						
Next Inspection Date	14-Mar-2015		Previous I	Inspection Date 10-Aug-2008					
Inspection Cycle (Default) (months)	39								
Comment									