Bridge Culvert Inspection													
Bridge File Number 75061 -1 Bridge Culvert										CULM			
Year Built							Lot No.			3			
Bridge or Town Name BOW ISLAND							Inspector Name			Tom Carey			
Located Over					Inspector Class			BR CLS A					
Located On		3:14 C1 2						Int Name					
Water Body CI./						Int Class							
Navigabil. CI./Ye					Inspection Date			11-Nov-2011					
Legal Land Loca	4 TWP 11 RGE 10 W4M					ntry By		Alyssa Boynton					
			4, 49:52:24				Data E	ntry Date	;	07-Dec-2011			
								er Name		Garry Roberts			
Contract Main. Area CMA24							Review Date			21-Nov-2011			
Clear Roadway/	Skew	13 / -30 d	eg. (LHF)				Dept. Reviewer Name			Tim Davies			
AADT/Year		2,920 / 20					Dept. F	Review Da	ate	15-Dec-2011			
Road Classificat	tion	RAU-213	-130				Follow	Up By					
Detour Length (	km)	5											
Bridge Culvert		ation											
Number of Culve	erts	1											
Pipe #	Barrel	S	pan	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN	1	0500	3800		BP	35.8					RECTANGLE	
Special Feature	s												
Special Feature	s Comr	ment											
					Uti	ilities (L	ocated	at)					
Utility Attachme		,					0						
Telephone	South		• ·				Gas						
Power	-	5N and 50				Municipal							
Others Fibre optics in North R/W.							Problem (Y/N) No						
Remarks				۸.		h Door	l / Emale	ankment					
				A	Last	Now				ion			
Horizontal Alignment					8	8	Explanation of Condition   RR 103 75m W of culverts						
Vertical Alignme					8	8	-						
Roadway Width			13.000										
Embankment					8	8	One br	oken nos	t at So	uth			
Sideslope (:	·1)		3.0					One broken post at South. One split post at North.					
(Height of Cov		1 1)	3.0				_ Minor damage at SE.						
Guardrail (Y/N)	01(11)	)	Yes										
Approach Road	d / Emb	pankment	General Rat	ing	8	8							
						Upstre	am End						
Culvert Compo	nent				Last		Explanation of Condition						
Direction					S		South end.						
End Treatment (Concrete, Steel, CONCRETE Others, None)						Railing on headwall and wings							
Headwall			7	7	Small crack atop W. cell.								
Collar			х	8									
Wingwalls					7	7							
(Shape : FLAI	RE)												
Cutoff Wall					N	N							

			Upstre	am End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		Х	X					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	0							
Scour Protection		7	7					
(Type : <b>RIP RAP</b> )								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Upstream End General Rating	1	7	7					
		Brid	dae Cu	lvert Barrel				
Culvert Component		Last		Explanation of Condition				
-	tion Code: MAIN, Spa			, Rise (mm): 3800, Type: BP, Cell Sequence: 1)				
Barrel Last Accessible Date	11-Nov-2011			West Cell				
Special Features								
Special Feature								
(Туре : )								
Special Feature								
(Type : )								
Roof		N	8					
Measured Rise (mm)	3800							
Measured At Ring No.	1							
Sag (mm)	0							
Percent Sag	0							
Sidewall		N	8					
Measured Span (mm)	3500							
Measured At Ring No.	1							
Deflection (mm)	0							
Percent Deflection	0							
Floor		N	N	AVG 500mm water				
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		Х	Х	Continuous cast.				
Separation (mm)			~					
Longitudinal Seams		Х	Х					
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		X	X					
Corrosion By Soil (Y/N)		~	~					
Corrosion By Water (Y/N)								
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	): 3500	), Rise (mm): 3800, Type: BP, Cell Sequence: 1)						
Fish Passage Adequacy		X	X							
Baffle		Х	Х							
(Туре : )										
Waterway Adequacy		9	9							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		N	8							
		Brid	dge Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	): 3500	), Rise (mm): 3800, Type: BP, Cell Sequence: 2)						
Barrel Last Accessible Date	11-Nov-2011			Center Cell						
Special Features										
Special Feature										
(Type : )										
Special Feature										
(Туре : )										
Roof		N	6	Minor honey comb at roof at U/S.						
Measured Rise (mm)	3800									
Measured At Ring No.	1									
Sag (mm)	0									
Percent Sag	0									
Sidewall		N	5							
Measured Span (mm)	3500									
Measured At Ring No.	1									
Deflection (mm)	0									
Percent Deflection	0									
Floor		N	N	AVG 500mm water.						
Bulge (mm)	0			_						
Measured At Ring No.				_						
Abrasion (Y/N)	No									
Circumferential Seams		X	X	Continuous cast.						
Separation (mm)										
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		X	X							
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component		Last		Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	ı): 3500	, Rise (mm): 3800, Type: BP, Cell Sequence: 2)						
Fish Passage Adequacy			Х							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		9	9							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating										
		Brie	dge Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı): 3500	, Rise (mm): 3800, Type: BP, Cell Sequence: 3)						
Barrel Last Accessible Date	11-Nov-2011									
Special Features										
Special Feature				East cell						
(Type : )										
Special Feature										
(Туре : )										
Roof		N	8							
Measured Rise (mm)	3800									
Measured At Ring No.	1									
Sag (mm)	0									
Percent Sag	0									
Sidewall		N	8							
Measured Span (mm)	3500									
Measured At Ring No.	1									
Deflection (mm)	0									
Percent Deflection	0		_							
Floor	_	N	N	AVG 500mm deep water.						
Bulge (mm)										
Measured At Ring No.				-						
Abrasion (Y/N)										
Circumferential Seams		X	X							
Separation (mm)										
Longitudinal Seams		X	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		X	X							
Corrosion By Soil (Y/N)				-						
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dae Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	oan (mm	): 3500	, Rise (mm): 3800, Type: BP, Cell Sequence: 3)
Fish Passage Adequacy		X	X	
Baffle		X	Х	
(Type : )				
Waterway Adequacy		9	9	
Icing (Y/N)	N) No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	8	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction	1	N		North end.
End Treatment (Concrete, Steel, Others, None)	CONCRETE			Railing on headwall and wings
Headwall	1	7	7	
Collar		X	Х	
Wingwalls		7	7	Pulled away 20mm at both sides
(Shape : <b>FLARE</b> )			1	
Cutoff Wall			N	
Bevel End			Х	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		7	5	_
(Type : <b>RIP RAP</b> )				-
(Avg. Rock Size(mm) : 300)			1	
Scour/Erosion		7	5	Minor 300mm deep x 1.0m dia scour at top NW corner.
Beavers (Y/N)	No			
Downstream End General Ration	ng	7	5	
		S	Structu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	Well rip-rapped large radius curve at U/S
Bank Stability			7	
HWM (m below Top of Culvert) 1.1				
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				
Beavers (Y/N) No				
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		8	8	

Maintenance Recommendations													
Inspector Recommendations		Year	Inspecto	or Comments		Department Com		Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL CONCRETE/STEEL LINING													
INSTALL STRUTS													
INSTALL CONCRETE COLLAR/CUTC	DFF												
REPAIR SEAMS													
OTHER ACTION		2012	Replace	2 gaurdrail posts.									
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/No (%)	ow)	/) 55.6/66.7		Sufficiency Rating (Last/Now) (%)		70.8/74.5	Est. R	st. Repl. Yr 2043		Maint. Re	qd. (Y/N)	Yes	
Special Comments for Next Inspection						Department Comments							
Maintenance Reviewed By						Date			1	Estimated Total	0		
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name		arey			Previous Assistant's Name								
Next Inspection Date	11-Aug	-2013			Previous Inspection Date 25-Jun-2010								
Inspection Cycle (Default) (months)	21												
Comment													