				Ri	rida	e Culve	ert Insn	ection					
Bridge File Number 01201 -1 Bridge Culvert					i de	C Garve	Culvert Inspection Form Type			CULE			
Year Built/Lined 1967/198						Lot No.			1				
Bridge or Town Name MORNING							Inspector Name			Owen Salava			
			P BROOK, 5.56.2, WATERCRS-ST			Inspector Class			BR CLS A				
Located On		C1 13.916					Assistant Name						
Water Body Cl./Year							Assista	ant Class					
Navigabil. Cl./Year							Inspection Date		04-Feb-2013				
Legal Land Lo		SE SEC	C 5 TWP 42 F	RGE 26 W4M			Data Entry By		Marcia Chave	 Z			
Longitude, Lat			2:36, 52:34:47					Data Entry Date		30-Mar-2013			
		a Transportation (AIT)				Reviewer Name			John O'Brien				
		CMA17		,			Review Date			13-Feb-2013			
Clear Roadwa		10 / -15					Dept. Reviewer Name						
AADT/Year	<b>J</b> , 211211	250 / 20					Dept. Review Date			09-Apr-2013			
Road Classific	ation	RLU-20					<del></del>	-Up By					
Detour Length		6						-1 ,					
Bridge Culver		nation					<u> </u>			·			
Number of Cul			1										
Pipe #	Barrel		Span	Rise (or Dia	ia.) Type			Length		Corr. Profile	PI./Slab Thickness	Shape	
2	U/S FULL LINER		-	3990		SP		4.578		152X51	3.0	ROUND	
2	MAIN FULL LINER		-	3200		MP		61.655		125X26	2.8	ROUND	
2			-	3990	SI		18.507			152X51	3.0	ROUND	
Special Featur	es												
Special Featur	es Comi	ment											
					Uti	lities (L	ocated	at)					
Utility Attachm	ents					·		·					
Telephone							Gas						
		rth of centerline, crosses road 20			200m	Munici	pal m (Y/N)	No					
Others							Proble	III ( 1/IN)	INO				
Remarks													
				Аррі	roac	h Road	d / Emb	ankment					
				La	ast	Now	Explai	nation of	Condi	tion			
Horizontal Alig	nment				7	7	Acces	Access road SW.					
Vertical Alignm	nent				5	7							
Roadway Widt	th (m)		12.600										
Embankment				7 7		No top	soil.						
Sideslope (:1)		2.0				40m ECM SW, NE; 20m SE							
(Height of Cover(m): 8)						13 23 311, 142, 23 32							
Guardrail (Y/N) Yes						4 wire cable both sides.							
Approach Ro	ad / Eml	bankme	nt General R	Rating	5	7							
						- Upstr <u>e</u>	am End						
Culvert Comp	onent			La	ast	Now		nation of	Condi	tion			
Direction				S									
End Treatmen Others, None)	t (Concre	ete, Stee	el, CONCRE	TE									
Headwall				Χ	Х								
Collar					9	N	Snow covered.						

				am End
Culvert Component		Last	Now	Explanation of Condition
Wingwalls		X	X	
(Shape: )		9		
Cutoff Wall			N	Buried.
Bevel End		9	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500		_	
Scour Protection		8	N	Snow covered.
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : <b>250</b> )			_	
Scour/Erosion			N	Snow covered.
Beavers (Y/N)	Yes			20m u/s
Upstream End General Rating		8	8	
		Bri	dae Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Primary Span, Loca	tion Code: U/S, Span			Rise (mm): 3990, Type: SP)
Barrel Last Accessible Date	04-Feb-2013		·	
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	8	Unable to measure due to ice.
Measured Rise (mm)	4010			
Measured At Ring No.	4010			(d/s end. 13Sep2012).
Sag (mm)	20			(Upwards
Percent Sag 1				0.5%. 13Sep2012).
Sidewall	, ·	8	8	
Measured Span (mm)	3960	0	0	d/s end
Measured At Ring No.	3900			Inwards
Deflection (mm)	30			0.8%
Percent Deflection	1			
Floor		8	N	Ice covered.
Bulge (mm)	0	0	IN	INCOUVEIGU.
Measured At Ring No.				
Abrasion (Y/N)	No			
	INU	8	8	
Circumferential Seams	0	0	0	
Separation (mm)	U	0	0	
Longitudinal Seams Total No. of Cracked Rings	0	8	8	
Total No. of Rings with Two				
Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		4	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			2 of 5

01201 -1 Bridge Culvert

		Dri	dao Cu	ilvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Primary Span, Loca	ation Code: II/S Snan			Rise (mm): 3990, Type: SP)
Camber POS/ZERO/NEG	ZERO	(11111)	,	
Camper POS/ZERO/NEG	ZERU			
Ponding (Y/N)	No			
Fish Passage Adequacy		4	5	Step up from bevel to liner about 150mm.
Baffle		X	X	
(Type:)				
Waterway Adequacy		6	6	
Icing (Y/N)	No			-
Silting (Y/N)	No			-
Drift (Y/N)	No			-
Barrel Extension General Rati		8	8	
		Bri	dge Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Primary Span, Loca	ation Code: MAIN, Spa			, Rise (mm): 3200, Type: MP)
Barrel Last Accessible Date	04-Feb-2013		- <del>,-</del>	3310 rise x 3111 span at inlet. Rigid structure due to grouted liner.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		3	3	Isolated bulges in roof from construction; no action - as constructed
Measured Rise (mm)	2850			shape, rigid liner.
Measured At Ring No.	2000			c/I
Sag (mm)	350			
Percent Sag	11			10.9%
Sidewall		3	3	Isolated bulges in sidewall at grout nipples; no action - as
Measured Span (mm)	3550			constructed shape, rigid liner.
Measured At Ring No.				c/I
Deflection (mm)	350			
Percent Deflection	11			10.9%
Floor		7	7	Concrete on floor.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		8	8	Void at u/s end of concrete connection btwn pipes.
Separation (mm)	30	3	J	1 3.2 2.1 2.3 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3
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		6	6	Water staining on floor.
Corrosion By Soil (Y/N)	No			1
Corrosion By Water (Y/N)	Yes			

01201 -1 Bridge Culvert

		Brid	dge Cu	Ivert Barrel				
Culvert Component		Last Now		Explanation of Condition				
(Pipe # : 2, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 3200, Type: MP)				
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N) No								
Fish Passage Adequacy		4	5	Step up to liner from bevel approx. 150mm.				
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		4	4	Increase due to concrete liner.				
Culvert Component				Team End				
Culvert Component		Last Now		Explanation of Condition				
Direction	CTEEL	N						
End Treatment (Concrete, Steel, Others, None)	SIEEL							
Headwall		Х	Х					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape: )								
Cutoff Wall		Х	Х					
Bevel End		8	8					
Heaving (mm)	0							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	200							
Scour Protection		8	N	Snow covered.				
(Type: RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		8	N	Snow covered.				
Beavers (Y/N)	No							
Downstream End General Ratio	ng	8	8					
		S	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment			5					
Bank Stability		4	4	Sloughing banks d/s; no action required.				
HWM (m below Top of Culvert) 1.5				Flow line on sidewall.				
Drift (Y/N) Yes								
Channel Bottom Degrading/Aggrading  DEGRADING				D/S only.				
Beavers (Y/N)	Yes							
(Fish Compensation Measure 1 :								
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		4	4					

			Maintena	nce Recommer	ndations					
Inspector Recommendations	Year	Year Inspector Comments			Department Con		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION	I									
INSTALL CONCRETE/STEEL LINII	NG									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CU	JTOFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last (%)	/Now) 44.4	44.4	Sufficiency Rating (%)	(Last/Now)	53.0/59.2	Est. Repl. Yr	2031	Maint. Re	qd. (Y/N)	No
Special Monitor shape. Comments for Next Inspection	lection at grout p	oorts.			Department Comments					
Maintenance Reviewed By					Date		Е	stimated Total	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Wade Nann	nga		Previous	s Assistant's Name					
Next Inspection Date	04-May-201	6		Previous	s Inspection Date	13-Sep-2012				
Next inspection date	O I May 201									
Inspection Cycle (Default) (months)										