					Bridge	e Culve	ert Inspec	ction					
Bridge File Nu	mber	02054 -	-1 Bridge Culve		-meg	o Guive	Form Ty			CULM			
Year Built	11001	1960	1 Bridge Carve	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Lot No.	<u>po</u>		4			
Bridge or Towr	Name		RHFIM				Inspector Name			Jason Saly			
Located Over	ritarrio		TARY TO NOR	TH SASKA	TCHE	=\/\AN	Inspecto			BR CLS A			
Localed Over			6.59, WATER		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	- ۷ ۷ / ۱۱ ۹	Assistan			DIC OLO /C			
Located On		45:04 C	118.724				Assistan						
Water Body Cl	./Year						Inspection			24-Jan-2013			
Navigabil. Cl./	⁄ear						Data En			Marcia Chave	7		
Legal Land Lo	cation	SE SEC	C 1 TWP 57 RG	GE 20 W4M	1		Data En			07-Mar-2013	<u> </u>		
Longitude, Lati	tude	-112:50):11, 53:53:27				Reviewe			John O'Brien			
Road Authority	•	Alberta	Transportation	(AIT)			Review I			13-Feb-2013			
Contract Main.	Area	CMA14							Name	Chris Black			
Clear Roadway	//Skew	12.8 /					Dept. Re			14-Mar-2013			
AADT/Year		1,900 /	2011 (A)				Follow-L			11 Mai 2010			
Road Classific	ation							-,					
Detour Length	(km)	3											
Bridge Culver		1											
Number of Cul	verts		4										
Pipe #	Barrel		Span	Rise (or E	Dia.)	Туре	L	Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	900		MP	3	32.9				ROUND	
2	MAIN		-	900		MP	3	32.9				ROUND	
3	MAIN		-	900		MP	3	32.9				ROUND	
4	MAIN		-	1800		MP	3	32.9				ROUND	
Special Featur	es												
Special Featur Utility Attachmo		nent			Uti	lities (L	_ocated a	nt)					
Telephone		ed in W c	litch				Gas						
Power		line ~20					Municipa	 al					
Others	2 0/11	201					Problem (Y/N) No						
Remarks							1	(1711)	1.10				
riomanio				Αp	proac	h Road	d / Embar	nkment					
					Last	Now	Explana			tion			
Horizontal Alig	nment					8							
Vertical Alignm	ent					7							
Roadway Widt	h (m)		11.100										
Embankment						N	Snow co	overed;	could n	ot determine sl	ope or height o	of cover.	
Sideslope (_	_:1)										-		
(Height of Co	•)											
Guardrail (Y/N))		No										
Approach Roa	ad / Emi	oankme	nt General Ra	ting		7							
						Up <u>stre</u>	am End						
Culvert Comp	onent						Explana	tion of	Condi	tion			
(Pipe # : 1, Sp	an Type	e: Prima	ary Span)										
Direction					N		None de	termine	d, none	e viewed.			
End Treatment Others, None)	(Concre	ete, Stee	el,										
						V							
Headwall						X							

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	Span)			
Wingwalls			X	
(Shape:)				
Cutoff Wall			Х	
Bevel End			N	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection			N	-
(Type:)				
(Avg. Rock Size(mm):)				
Scour/Erosion			N	
Beavers (Y/N)				
Upstream End General Rating			N	
		Brid	lae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spar			, Rise (mm): 900, Type: MP)
Barrel Last Accessible Date				Pipe completely covered by snow drifts.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof			N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall			N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor			N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams			N	
Separation (mm)				
Longitudinal Seams			Х	
Total No. of Cracked Rings				1
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe #: 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm):	, Rise (mm): 900, Type: MP)						
Coating			N							
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG										
Ponding (Y/N)										
Fish Passage Adequacy			Х							
Baffle			N							
(Type:)										
Waterway Adequacy			N							
Icing (Y/N)										
Silting (Y/N)										
Drift (Y/N)										
Barrel General Rating			N							
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe #: 1, Span Type: Primary	Span)									
Direction		S								
End Treatment (Concrete, Steel, Others, None)										
Headwall			X							
Collar			Х							
Wingwalls			Х							
(Shape:)										
Cutoff Wall			X							
Bevel End			N	Snow covered.						
Heaving (mm)										
Invert Above/Below Stream Bed										
Above/Below (mm)										
Scour Protection			N	Snow covered.						
(Type:)										
(Avg. Rock Size(mm):)										
Scour/Erosion			N	Snow covered.						
Beavers (Y/N)										
Downstream End General Ratin	ng		N							
			Up <u>stre</u>	am End						
Culvert Component				Explanation of Condition						
(Pipe # : 2, Span Type: Second	ary Span)									
Direction		N		None viewed.						
End Treatment (Concrete, Steel, Others, None)										
Headwall			Х							
Collar			Х							

			Upstre	eam End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Wingwalls			Х	
(Shape:)				
Cutoff Wall			Х	
Bevel End			N	Snow covered.
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection			N	Snow covered.
(Type :)				
(Avg. Rock Size(mm):)				
Scour/Erosion			N	Snow covered.
Beavers (Y/N)				
Upstream End General Rating			N	
		Bric	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN. S			, Rise (mm): 900, Type: MP)
Barrel Last Accessible Date		pan (n	,.	Pipe completely covered by snow drifts.
				, , ,
Special Features		1	1	
Special Feature				
(Type:)		I	1	
Special Feature				
(Type:)		1		
Roof			N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall			N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor			N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams			N	
Separation (mm)				
Longitudinal Seams			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)				

		Bric	dge Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 2, Secondary Span, Lo	cation Code: MAIN, S	Span (n	nm):	, Rise (mm): 900, Type: MP)				
Coating			N					
Corrosion By Soil (Y/N)								
Corrosion By Water (Y/N)								
Camber POS/ZERO/NEG								
Ponding (Y/N)								
Fish Passage Adequacy			Х					
Baffle			N					
(Type:)								
Waterway Adequacy			N					
Icing (Y/N)								
Silting (Y/N)								
Drift (Y/N)								
Barrel General Rating			N					
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	ary Span)							
Direction		S		None viewed.				
End Treatment (Concrete, Steel, Others, None)								
Headwall			X					
Collar			Х					
Wingwalls			Х					
(Shape:)								
Cutoff Wall			X					
Bevel End			N	Snow covered.				
Heaving (mm)								
Invert Above/Below Stream Bed								
Above/Below (mm)								
Scour Protection			N	Snow covered.				
(Type:)								
(Avg. Rock Size(mm):)								
Scour/Erosion			N	Snow covered.				
Beavers (Y/N)								
Downstream End General Ratin	ng		N					
			Up <u>stre</u>	am End				
Culvert Component				Explanation of Condition				
(Pipe # : 3, Span Type: Second	ary Span)							
Direction		N		None viewed.				
End Treatment (Concrete, Steel, Others, None)								
Headwall			Х					
Collar			Х					

			Upstre	eam End
Culvert Component		Last		Explanation of Condition
(Pipe # : 3, Span Type: Second	ary Span)			
Wingwalls			Х	
(Shape:)				
Cutoff Wall			Х	
Bevel End			N	Snow covered.
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection			N	Snow covered.
(Type:)				
(Avg. Rock Size(mm):)				
Scour/Erosion			N	Snow covered.
Beavers (Y/N)				
Upstream End General Rating			N	
ороловин шинд				
				Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Lo	cation Code: MAIN, S	pan (n	nm):	, Rise (mm): 900, Type: MP)
Barrel Last Accessible Date				Pipe completely coveredy by snow drifts.
Special Features				
Special Feature				
(Type:)		ı		
Special Feature				
(Type:)				
Roof			N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall			N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor			N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams			N	
Separation (mm)				
Longitudinal Seams			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)				

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe #: 3, Secondary Span, Lo	cation Code: MAIN, S	pan (n	nm):	, Rise (mm): 900, Type: MP)						
Coating			N							
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG										
Ponding (Y/N)										
Fish Passage Adequacy			Х							
Baffle			Х							
(Type:)										
Waterway Adequacy			N							
Icing (Y/N)										
Silting (Y/N)										
Drift (Y/N)										
Barrel General Rating			N							
Darror Conoral Rating										
		D	ownstr	eam End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe #: 3, Span Type: Second	ary Span)									
Direction		S		None viewed.						
End Treatment (Concrete, Steel, Others, None)										
Headwall			X							
Collar			Х							
Wingwalls			Х							
(Shape:)										
Cutoff Wall			Х							
Bevel End			N	Snow covered.						
Heaving (mm)										
Invert Above/Below Stream Bed										
Above/Below (mm)										
Scour Protection			N	Snow covered.						
(Type:)										
(Avg. Rock Size(mm):)										
Scour/Erosion			N	Snow covered.						
Beavers (Y/N)			ı							
Downstream End General Ratir	ng		N							
			Up <u>stre</u>	am End						
Culvert Component				Explanation of Condition						
(Pipe # : 4, Span Type: Second	ary Span)									
Direction		N		None viewed.						
End Treatment (Concrete, Steel, Others, None)										
Headwall			Х							
Collar			Х							

Culvert Component	Upstream End									
Pipe # 24, Span Type: Secondary Span	Culvert Component									
Shape: Cutoff Wall X X Bevel End N Show covered.		ary Span)								
Shape: Cutoff Wall X X Bevel End N Show covered.	Wingwalls			Х						
Bevel End										
Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Frotection N Snow covered. (Type:) (Avg. Rock Size(mm):) Scourif Frosion N Snow covered. (Type:) (Avg. Rock Size(mm):) Scourif Frosion N Snow covered. (Invert Component Last Now Explanation of Condition (Pipe #: 4, Secondary Span, Location Code: MAIN, Span (mm): Rarel Last Accessible Date Pipe completely covered by snow drifts. Special Feature (Type:) Special Feature (Type:) Special Feature (Type:) Roof Measured Alt Ring No. Sag (mm) Measured Alt Ring No. Sag (mm) Messured Span (mm) Messured Span (mm) Messured Span (mm) Messured Alt Ring No. Sag (mm) Percent Deflection Floor N Messured Alt Ring No. Abrasion (V/N) Circumferential Seams N Separation (mm) Longitudinal Seams X Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams N Proper Lap (Y/N)				Х						
Invert Above/Below (mm) Above/Below (mm) Socur Protection (Type:) (Avg. Rock Size(mm):) Beavers (Y/N) Upstream End General Rating N Bridge Culvert Barrel Last Now Explanation of Condition (Pipe #: 4, Secondary Span, Location Code: MAIN, Span (mm): Pipe completely covered by snow drifts. Special Feature Special Feature (Type:) Special Feature (Type:) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Deflection (mm) Percent Deflection Floor Bullge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Special Feature Roof N Measured At Ring No. Deflection (mm) Percent Deflection Floor Special Feature (Type:) Roof N Measured At Ring No. Deflection (mm) Percent Deflection Floor Special Feature (Type:) Roof N Measured At Ring No. Deflection (mm) Percent Deflection Floor Special Feature (Type:) Roof N Measured At Ring No. Deflection (mm) Percent Deflection Floor Special Feature (Type:) Roof N Measured At Ring No. Deflection (mm) Percent Deflection Floor Special Feature (Type:) Roof N Measured At Ring No. Deflection (mm) Percent Deflection Floor N Measured At Ring No. Abrasion (Y/N) Circumferential Seams N N Special Feature N N Min. Remaining Steel Seature Min. Remaining Steel	Bevel End			N	Snow covered.					
Above/Below (mm) Soour Protection (Type :) (Avg. Rock Size(mm) :) Scour/Erosion Beavers (Y/N) Upstream End General Rating N Sinder Couvert Barrel Culvert Component Last Now Explanation of Condition (Pipe # : 4, Secondary Span, Location Code: MAIN, Span (mm): Rarrel Last Accessible Date Special Features Special Feature (Type :) Roof Measured At Ring No. Sag (mm) Measured At Ring No. Sag (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Suldge (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Suldge (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor N Suldge (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor N Suldge (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor N Suldge (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor N Suldge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams N Separation (mm) Longitudinal Seams N Separation (mm) Measured At Ring Steel Seriveen (Y/N) Viving (Y/N) V	Heaving (mm)									
Scour Protection N Snow covered.	Invert Above/Below Stream Bed									
(Type :)	Above/Below (mm)									
(Avg. Rock Size(mm):) ScouriFrosion R Beavers (Y/N) Upstream End General Rating N Bridge Culvert Barrel Last Now Explanation of Condition (Pipe #: 4, Secondary Span, Location Code: MAIN, Span (mm): Rise (mm): 1800, Type: MP) Barrel Last Accessible Date Pipe completely covered by snow drifts. Special Feature (Type:) Special Feature (Type:) Special Feature (Type:) Roof Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Scour Protection			N	Snow covered.					
Scour/Erosion N Snow covered. Beavers (Y/N)	(Type:)									
Beavers (Y/N) Upstream End General Rating N Bridge Culvert Barrel Last Now Explanation of Condition (Pipe # : 4, Secondary Span, Location Code: MAIN, Span (mm): Barrel Last Accessible Date Pipe completely covered by snow drifts. Special Features Special Feature (Type :) Special Feature (Type :) Special Feature (Type :) Special Feature (Type :) Roof N Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall N Measured At Ring No. Deflection (mm) Percent Deflection Floor N Builge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N) Proper Lag (Mm) Proper Lag (Mm) Resuring Steel Between Cracks (mm) Proper Lag (Y/N) Proper Lag (Mm) Proper Lag (Mm) Proper Lag (Y/N) Proper Lag (Mm) Proper Lag (Mm) Proper Lag (Mm) Proper Lag (Y/N) Proper Lag (Mm) Proper Lag (Y/N) Proper Lag (Mm) Proper Lag (Y/N)	(Avg. Rock Size(mm):)									
Upstream End General Rating N				N	Snow covered.					
Upstream End General Rating N	Beavers (Y/N)									
Bridge Culvert Barrel Culvert Component (Pipe #: 4, Secondary Span, Location Code: MAIN, Span (mm): Barrel Last Accessible Date Special Features Special Feature (Type :) Neasured At Ring No. Deflection (mm) Percent Deflection Floor N Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams N Separation (mm) Longitudinal Seams X Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	,			N.						
Culvert Component (Pipe #: 4, Secondary Span, Location Code: MAIN, Span (mm): Rise (mm): 1800, Type: MP) Barrel Last Accessible Date Pipe completely covered by snow drifts. Special Features Special Feature (Type:) Specia	Opstream End General Rating			IN						
(Pipe #: 4, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1800, Type: MP) Barrel Last Accessible Date Pipe completely covered by snow drifts. Special Feature (Type:) Special Feature (Type:) Roof N Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall N Measured Span (mm) Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Total No. of Cracked Rings Total No. of Cracked Rings Total No. of Cracked Rings Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N) Proper Lap (Y/N)										
Barrel Last Accessible Date Special Features Special Feature (Type:) Special Feature (Type:) Special Feature (Type:) Roof N Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall N Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Sulge (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Sulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N) Proper Lap (Y/N)					Explanation of Condition					
Special Feature Crype:	(Pipe # : 4, Secondary Span, Lo	cation Code: MAIN, S	pan (n	nm):	, Rise (mm): 1800, Type: MP)					
Special Feature Commonship	Barrel Last Accessible Date				Pipe completely covered by snow drifts.					
Type : Special Feature	Special Features									
Special Feature Crype : Cr	Special Feature									
(Type:) Roof	(Type:)									
Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Neasured Span (mm) Measured Stan (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Rules (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Special Feature									
Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall N Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams N Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	(Type:)									
Measured At Ring No. Sag (mm) Percent Sag Sidewall N Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor N Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams N Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Roof			N						
Sag (mm) Percent Sag Sidewall N Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Rulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Measured Rise (mm)									
Percent Sag Sidewall N Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Rulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Measured At Ring No.									
Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Sag (mm)									
Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Percent Sag									
Measured At Ring No. Deflection (mm) Percent Deflection Floor Rulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Sidewall			N						
Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Measured Span (mm)									
Percent Deflection Floor Rulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Measured At Ring No.									
Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Deflection (mm)									
Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Percent Deflection									
Measured At Ring No. Abrasion (Y/N) Circumferential Seams N Separation (mm) Longitudinal Seams X Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Floor			N						
Measured At Ring No. Abrasion (Y/N) Circumferential Seams N Separation (mm) Longitudinal Seams X Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Bulge (mm)									
Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams X Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Measured At Ring No.									
Separation (mm) Longitudinal Seams X Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Abrasion (Y/N)									
Longitudinal Seams X Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Circumferential Seams			N						
Longitudinal Seams X Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Separation (mm)									
Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)				Х						
Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)										
Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)										
Proper Lap (Y/N)										
					-					
	Longitudinal Stagger (Y/N)									

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe #: 4, Secondary Span, Lo	cation Code: MAIN, S	pan (m	nm):	, Rise (mm): 1800, Type: MP)						
Coating			N							
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG										
Ponding (Y/N)										
Fish Passage Adequacy			Х							
Baffle			N							
(Type:)										
Waterway Adequacy			N							
Icing (Y/N)										
Silting (Y/N)										
Drift (Y/N)										
Barrel General Rating			N							
		Do	ownstr	ream End						
Culvert Component			Now	Explanation of Condition						
(Pipe # : 4, Span Type: Second	ary Span)									
Direction		S		None viewed.						
End Treatment (Concrete, Steel, Others, None)										
Headwall			Х							
Collar			Х							
Wingwalls			Х							
(Shape:)										
Cutoff Wall			X							
Bevel End			N	Snow covered.						
Heaving (mm)										
Invert Above/Below Stream Bed										
Above/Below (mm)										
Scour Protection			N	Snow covered.						
(Type:)										
(Avg. Rock Size(mm):)										
Scour/Erosion			N	Snow covered.						
Beavers (Y/N)										
Downstream End General Ratio	ng		N							
		S	tructu	re Usage						
			Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			N	Not sure due to snow drifts.						
Bank Stability			N	Snow covered.						
HWM (m below Top of Culvert)				Unknown						
Drift (Y/N)	No									

Structure Usage									
	ı	Last	Now	Explanation of Condition					
Channel Bottom Degrading/Aggrading				Unknown					
Beavers (Y/N)									
(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 : NONE)									
Channel General Rating 5									

					Mainte	enance Recomme	endations					
Inspector Recommendations				Inspecto	or Comments		Department Co	mments		Target Year	Est. Cost	Cat #
SHOTCRETE RE	PAIRS											
PLACE ADDITION	IAL RIP RAP											
REMOVE DRIFT	ACCUMULATION											
INSTALL CONCR	ETE/STEEL LINING											
INSTALL STRUTS	8											
INSTALL CONCR	ETE COLLAR/CUTO	DFF										
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)			/55.6 Sufficiency R (%)		Sufficiency Rat (%)	ing (Last/Now)	/66.5	Est. Repl. Yr	2016	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection Confirm directions, end treatment & replacement year at next inspection. Esimated replacement year was guessed.					nspection.	Department Comments						
Maintenance Revi	ewed By						Date			Estimated Tota	1 0	
Proposed Long-Te	•											
On 3-Year Progra	m (Y/N)											
Proposed Action												
Previous Inspecto	r's Name					Previo	us Assistant's Name	e				
Next Inspection D	ate	24-Oct	-2014			Previo	us Inspection Date					
Inspection Cycle (Default) (months)	21					-					
Comment												