Bridge Culvert Inspection													
Bridge File Nur	nber	er 78878 -1 Bridge Culvert						Form Type		CULM			
Year Built		1977					Lot No.	Lot No.		2			
Bridge or Town	Name	Millarvil	le				Inspect	or Name		Calvin Roberts			
Located Over		TRAIL-	ANIMAL, OV	ER SP			Inspect	or Class		BR CLS B			
Located On		549:02	C1 8.513	21 8.513				Assistant Name					
Water Body Cl.	/Year						Assistant Class						
Navigabil. Cl./Y	′ear						Inspection Date		30-Jan-2013				
Legal Land Loc	C 1 TWP 21 RGE 4 W5M				Data Entry By		Lauren Korte						
Longitude, Latit	tude	-114:25	5:59, 50:45:21					ntry Date		01-Mar-2013			
Road Authority	Transportatio		Reviewer Name		Garry Roberts								
Contract Main.	7					Date		03-Feb-2013					
Clear Roadway	g.	J.				Dept. Reviewer Name		Tim Davies					
AADT/Year	2011 (A)	011 (A)				Dept. Review Date		04-Mar-2013					
Road Classifica	ation	RCU-20	09-110				Follow-	Uр Ву					
Detour Length	(km)	1											
Bridge Culvert	t Inform	ation											
Number of Culv	verts		2										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	2134		MP		22		68X13	3.5	ROUND	
2	MAIN		-	914		MP		88.4		68X13	1.6	ROUND	
Special Feature	es												
Special Feature	es Comr	nent											
					Po	sting Ir	nformati	on					
Required Vert.	Clearan	ce Posti	ng (m)										
Posted Vertical	Posted Vertical Clearance (Y/N) No								-				
Posted: Lane	Posted: Lane NB On Bridge (m) In Adv					Y/N)	L	ane SB	0	n Bridge (m)	In Advan	ce (Y/N)	
Remarks	Not Re	equired.											
Utility Attachme	ents				Uti	ilities (L	ocated	at)					
Telephone	South	ditch.					Gas						
Power							Municipal						
Others							Problem (Y/N) No						
Remarks													
				Α	pproad	ch Road	d / Emba	ankment					
					Last	Now	Explan	Explanation of Condition					
Horizontal Aligr	nment				7	7	-						
Vertical Alignm	ent				7	7							
Roadway Width	n (m)		9.000										
Embankment					4 4		Sloughin @ D/S @ Secondary but 25m from road.						
Sideslope (_:1)		3.0				3.5m cover over secondary.						
(Height of Co	ver(m) :	0.8)]						
Guardrail (Y/N)			Yes										
Approach Roa	ad / Emb	ankme	nt General R	ating	7	7							
						Upstre	am End						
Culvert Comp	onent				Last	Now	Explan	ation of 0	Condi	tion			
(Pipe # : 1, Sp	an Type	e: Prima	ry Span)										
Direction							South.						
End Treatment (Concrete, Steel, NONE Others, None)													

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Headwall		Х	Х	
Collar		х	Х	
Wingwalls		Х	Х	
(Shape :)			-	
Cutoff Wall		Х	X	
Bevel End			Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	pove/Below (mm) 200			
Scour Protection		7	N	Snow covered.
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Frosion		7	N	
Deavers (1/N)				
Upstream End General Rating		7	N	P.R 7.
		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2134, Type: MP)
Barrel Last Accessible Date	30-Jan-2013			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	Estimate.
Measured Rise (mm)	2180			
Measured At Ring No.	1			
Sag (mm)	47			
Percent Sag	2			
Sidewall	_	6	7	Inward
Measured Span (mm)	2080		1	
Measured At Ring No	1			
Deflection (mm)	54			
Bereast Deflection	2			
	5	N	N	150mm group on floor
	0	IN	IN IN	
Bulge (mm)	U			
	Ne			-
Abrasion (Y/N)	INO			
Circumterential Seams		5	5	255mm @ haunch, 120mm @ roof. Misaligned @ install at R2

		Brid	lge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm)):	, Rise (mm): 2134, Type: MP)
Longitudinal Seams		X	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		4	4	Isolated Scaling and Pitting @ Haunches.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	X	
Baffle		X	X	
(Type:)			7.	
Waterway Adequacy		7	X	
loing (Y/N)	No	-		
Silting (Y/N)	No			
	No			
Parrol Conorol Pating	NO	6	7	
Barrer General Kating		U	'	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Direction				North.
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		Х	X	
Collar		X	Х	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	Х	
Bevel End		Х	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	100			
Scour Protection		7	N	Snow covered.
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		7	N	
Beavers (Y/N)	No			
Downstream End General Ratin	ng	7	N	P.R 7.

Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Span Type: Second	lary Span)								
Direction				South.					
End Treatment (Concrete, Steel, Others, None)	NONE			Located 10m west of primary.					
Headwall			Х						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape :)									
Cutoff Wall			X						
Bevel End		Х	X						
Heaving (mm)									
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	400								
Scour Protection		5	N	(Small scourhole)					
(Type : NATURAL)				(260mm DP). October 11, 2009. Snow Covered.					
(Avg. Rock Size(mm) :)									
Scour/Erosion		5	N						
Beavers (Y/N)	No								
Upstream End General Rating		5	N	P.R 5.					
		Brid	dae Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Last pan (r	<u>∣Now</u> nm):	Explanation of Condition , Rise (mm): 914, Type: MP)					
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date	ocation Code: MAIN, S 19-Sep-2006	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features	Distance in the second se	Last pan (r	<u>∣Now</u> nm):	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature	ocation Code: MAIN, S 19-Sep-2006	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :)	ocation Code: MAIN, S	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature	Decation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)	Decation Code: MAIN, S 19-Sep-2006	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof	Decation Code: MAIN, S 19-Sep-2006	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm)	750	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Least ard a sag # least @ ring #0 (c))					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No.	750	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Local roof sag 1m long @ 5m from D/S) Sept 19/06					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)	750 2 164	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Local roof sag 1m long @ 5m from D/S) Sept 19/06 Remaining 95% of pipe appears good. Likely from construction					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag	750 2 164 17	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Local roof sag 1m long @ 5m from D/S) Sept 19/06 Remaining 95% of pipe appears good. Likely from construction.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall	750 2 164 17	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Local roof sag 1m long @ 5m from D/S) Sept 19/06 Remaining 95% of pipe appears good. Likely from construction.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm)	750 2 164 17	Last pan (r 2 N	Now nm): N	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Local roof sag 1m long @ 5m from D/S) Sept 19/06 Remaining 95% of pipe appears good. Likely from construction.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No.	2 2 19-Sep-2006 750 2 164 17 970 2	Last pan (n 2 N	Now nm): N	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Local roof sag 1m long @ 5m from D/S) Sept 19/06 Remaining 95% of pipe appears good. Likely from construction.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm)	Protection Code: MAIN, S 19-Sep-2006 19-Sep-2006 750 2 164 17 970 2 56	Last pan (n 2	Now nm): N	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Local roof sag 1m long @ 5m from D/S) Sept 19/06 Remaining 95% of pipe appears good. Likely from construction.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection	Protection Code: MAIN, S 19-Sep-2006 19-Sep-2006 750 2 164 17 970 2 56 6	2 N	Now nm): N	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Local roof sag 1m long @ 5m from D/S) Sept 19/06 Remaining 95% of pipe appears good. Likely from construction.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Elocr	Code: MAIN, S 19-Sep-2006 750 2 164 17 970 2 56 6	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Local roof sag 1m long @ 5m from D/S) Sept 19/06 Remaining 95% of pipe appears good. Likely from construction.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Rulgo (mm)	Production Code: MAIN, S 19-Sep-2006 19-Sep-2006 750 2 164 17 970 2 56 6	Last pan (n 2 N	Now nm): N	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Local roof sag 1m long @ 5m from D/S) Sept 19/06 Remaining 95% of pipe appears good. Likely from construction. Corrosion with pitting @ floor.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm)	Protection Code: MAIN, S 19-Sep-2006 19-Sep-2006 750 2 164 17 970 2 56 6	Last pan (n 2 N N	Now nm): N	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Local roof sag 1m long @ 5m from D/S) Sept 19/06 Remaining 95% of pipe appears good. Likely from construction. Corrosion with pitting @ floor.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasing (V(A))	Cation Code: MAIN, S 19-Sep-2006 19-Sep-2006 750 2 164 17 970 2 56 6 970 2 56 6	Last pan (r	Now nm): N	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Local roof sag 1m long @ 5m from D/S) Sept 19/06 Remaining 95% of pipe appears good. Likely from construction. Corrosion with pitting @ floor.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N)	Cation Code: MAIN, S 19-Sep-2006 19-Sep-2006 750 2 164 17 970 2 56 6 750 2 104 17 970 2 56 6 No	Last pan (n 2 N N	Now nm): N	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Local roof sag 1m long @ 5m from D/S) Sept 19/06 Remaining 95% of pipe appears good. Likely from construction.					
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) 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	Production Code: MAIN, S 19-Sep-2006 19-Sep-2006 750 2 164 17 970 2 56 6 No	Last pan (n 2 2 N N N	Now nm): N	Explanation of Condition , Rise (mm): 914, Type: MP) Pipe too small to enter. Runs @ 45 Deg under primary. Viewed from Ends. (Entered d/s 5m to roof sag measured @ ring #3 from North Local roof sag 1m long @ 5m from D/S) Sept 19/06 Remaining 95% of pipe appears good. Likely from construction. Corrosion with pitting @ floor.					

		Bri	age Cu	
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (I	nm):	, Rise (mm): 914, Type: MP)
Longitudinal Seams	1	Х	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		4	4	
Corrosion By Soil (Y/N)	No			Corrosion at floor with light pitting.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	5	
Baffle		Х	Х	
(Type:)			_	
Waterway Adequacy	1	3	3	Under sized for flow that caused D/S scour.
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No		_	
Barrel General Rating		2	2	Carried forward.
		D	ownstr	eam End
Culvert Component		D Last	ownstr Now	eam End Explanation of Condition
Culvert Component (Pipe # : 2, Span Type: Second	lary Span)	D Last	ownstr Now	eam End Explanation of Condition
Culvert Component (Pipe # : 2, Span Type: Second Direction	lary Span)	D Last	Now	eam End Explanation of Condition North.
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None)	lary Span) NONE	Last	Now	eam End Explanation of Condition North.
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall	lary Span) NONE	Last X	Now	eam End Explanation of Condition North.
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar	lary Span) NONE	Last X X	Now	eam End Explanation of Condition North.
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls	lary Span) NONE	Last X X X	Now Now	eam End Explanation of Condition North.
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :)	lary Span) NONE	Last X X X X	Now Now	eam End Explanation of Condition North.
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall	lary Span) NONE	Last X X X X X	Now X X X X X	eam End Explanation of Condition North.
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End	lary Span)	Last X X X X X X	ownstri Now	eam End Explanation of Condition North.
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm)	lary Span)	Last X X X X X X	Now Now	eam End Explanation of Condition North.
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed	ABOVE	Last X X X X X X	Now Now	eam End Explanation of Condition North. 2m of pipe hanging unsupported over scour hole.
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm)	ABOVE 200	Last X X X X X X	ownstri Now	eam End Explanation of Condition North. 2m of pipe hanging unsupported over scour hole.
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection	ABOVE 200	Last X X X X X X X 3	Now Now	eam End Explanation of Condition North. 2m of pipe hanging unsupported over scour hole. 25m x 6m x 2m Deep severe scour @ d/s end.
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type : NATURAL)	ABOVE 200	Last X X X X X X X 3	ownstri Now	eam End Explanation of Condition North. 2m of pipe hanging unsupported over scour hole. 25m x 6m x 2m Deep severe scour @ d/s end.
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type : NATURAL) (Avg. Rock Size(mm) :)	ABOVE 200	Last X X X X X X 3	ownstri Now X X X X X X	eam End Explanation of Condition
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type : NATURAL) (Avg. Rock Size(mm) :) Scour/Erosion	ABOVE 200	Last X X X X X X 3	ownstri Now X X X X X X X X 3 3	eam End Explanation of Condition
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type : NATURAL) (Avg. Rock Size(mm) :) Scour/Erosion Beavers (Y/N)	ABOVE 200	Last X X X X X X 3 3	ownstri Now X X X X X X X 3 3	eam End Explanation of Condition North.

Structure Usage									
		Last	Now	Explanation of Condition					
Grade Separation									
Road Alignment			X						
Roadway Surface			5						
				No visible HWM at secondary.					
(Type :)									
Icing (Y/N)	Yes			Approximately 150mm ice in pipe.					
Traffic Safety Features		Х	Х						
Туре									
Lighting		X	X						
Barrel Leakage (Y/N) No									
Drainage			5						
Structure In Use (Y/N) No									
Grade Separation General Rati	ng	5	5						

78878 -1 Bridge Culvert

			Maintenance Re	commend	ations					
Inspector Recommendations		Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP		2013	20m ³ Class 2 @ d/s secondary and 3 run.	80m³ pit						
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTC	DFF									
REPAIR SEAMS										
OTHER ACTION		2013	Replace damaged 2nd from D/S sect 914mm secondary	ion of						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)		22.2/22.	2 Sufficiency Rating (Last/N (%)	low) 3	31.8/31.8	Est. Repl. Yr	2025	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Garry R	Roberts		Previous A	Assistant's Name					
Next Inspection Date	30-Apr-	2016		Previous I	nspection Date	01-Oct-2009				
Inspection Cycle (Default) (months)	39									
Comment										