					Enag	e Guive	ert Inspection					
Bridge File Nur	nber	72100 - 2	Bridge Culve	rt			Form Type			CULE		
Year Built		1994					Lot No.			4		
Bridge or Town	Name	LETHBF	RIDGE				Inspect	or Name		Jason Rusu		
Located Over		SMR - II	RRIGATION C	, WATER	CRS-IC	2	Inspect	Inspector Class BR CLS A				
Located On		4:06 L1	21.512;4:06 R	1 21.510			Assista	Assistant Name				
Water Body Cl.	/Year						Assistant Class					
Navigabil. CI./Y	'ear						Inspect	Inspection Date 24-Mar-2013				
Legal Land Loc	cation	SW SEC 24 TWP 8 RGE 21 W4M				Data Entry By			Anne Roberts			
Longitude, Latit	tude	-112:44:01, 49:39:26				Data Entry Date			09-Apr-2013			
Road Authority		Alberta Transportation (AIT)				Reviewer Name			Garry Roberts			
Contract Main.	Area	CMA25	CMA25				Review	Date		07-Apr-2013		
Clear Roadway	//Skew	28.9/45	5 deg. (RHF)				Dept. R	eviewer N	Name	Tim Davies		
AADT/Year		5,970 / 2	2012 (A)				Dept. R	eview Da	ate	22-Apr-2013		
Road Classifica	ation	RFD-41	2.4-130				Follow-	Uр Ву				
Detour Length	(km)	1										
Bridge Culvert	t Inform	ation										
Number of Culv	verts		3									
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape
1	MAIN		-	2400		MP		48		125X26	2.8	ROUND
1	D/S		-	2700		MP		77.6		125X26	2.8	ROUND
2	MAIN		-	2400		MP		48		125X26	2.8	ROUND
2	D/S		-	2700		MP		77.6		125X26	2.8	ROUND
3	MAIN		-	2400		MP		48		125X26	2.8	ROUND
3	D/S		-	2700		MP		77.6		125X26	2.8	ROUND
Special Feature	es											
Special Feature	es Comr	ment										
			Int									
					1 141	litios (l	ocated	at)				
Litility Attachme	ents				Uti	lities (L	ocated	at)				
Utility Attachme	ents	ROW			Uti	lities (L	ocated	at)				
Utility Attachme Telephone Power	ents West	ROW.	ROW and cro	ssing 5m	Uti North.	lities (L	ocated Gas Municip	at)				
Utility Attachme Telephone Power Others	ents West East a	ROW. and West	ROW and cros	ssing 5m	Uti North.	lities (L	Ocated Gas Municip Problen	at) pal	No			
Utility Attachme Telephone Power Others Remarks	West East a Fibre	ROW. and West optics ca	ROW and cros ble at East RO	ssing 5m W.	Uti North.	lities (L	Gas Municip Problen	at) val n (Y/N)	No			
Utility Attachme Telephone Power Others Remarks	ents West East a Fibre	ROW. and West optics ca	ROW and cros ble at East RO	ssing 5m W.	Uti North.	lities (L	Gas Municip Problen	at) val n (Y/N)	No			
Utility Attachme Telephone Power Others Remarks	West East a Fibre	ROW. and West optics ca	ROW and cros ble at East RO	ssing 5m W. Ap	Uti North. oproac	lities (L	Gas Municip Problen	at) bal n (Y/N) inkment ation of (No	ion		
Utility Attachme Telephone Power Others Remarks Horizontal Aligr	West East a Fibre	ROW. and West optics ca	ROW and cros ble at East RO	ssing 5m W. Ap	Uti North. oproac Last 7	h Road	Gas Municip Problem I / Emba Explana Local ro	at) bal n (Y/N) inkment ation of (bad inters	No Condit ection	t ion 30 m North.		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignm	ents West East a Fibre of	ROW. and West optics ca	ROW and cros ble at East RO	ssing 5m W. Ag	Uti North. Dproac Last 7 9	h Road Now 7 9	Gas Municip Problen I / Emba Explana	at) bal n (Y/N) Inkment ation of (bad inters	No Condit ection	tion 30 m North.		
Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width	ents West East a Fibre of nment ent n (m)	ROW. and West optics ca	ROW and cross ble at East RO	ssing 5m W. Ag	Uti North.	h Road Now 7 9	Gas Municip Problen I / Emba Explana Local ro	at) bal n (Y/N) Inkment ation of (bad inters	No Condit ection	iion 30 m North.		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment	ents West East a Fibre of nment ent n (m)	ROW. and West optics ca	ROW and cros ble at East RO	ssing 5m W. Ap	Uti North. oproac Last 7 9 8	h Road Now 7 9	Gas Municip Problem I / Emba Explana Local ro	at) bal n (Y/N) inkment ation of (bad inters	No Condit ection	t ion 30 m North.		
Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Embankment Sideslope (ents West East a Fibre o nment ent n (m)	ROW. and West optics ca	ROW and cross ble at East RO 30.000	ssing 5m W. Ap	Uti North.	h Road Now 7 9 8	Gas Municip Problem / Emba Explana Local ro	at) al n (Y/N) inkment ation of (bad inters r pipes.	No Condit ection	t ion 30 m North.		
Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Embankment Sideslope (ents West East a Fibre o nment ent n (m)	ROW. and West optics ca	ROW and cross ble at East RO 30.000 5.0	ssing 5m W. Ag	Uti North.	h Road Now 7 9 8	Gas Municip Problem / Emba Explana Local ro	at) bal n (Y/N) inkment ation of (bad inters r pipes.	No Condit ection	iion 30 m North.		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (ents West East a Fibre o nment ent n (m)	ROW. and West optics ca	ROW and cross ble at East RO 30.000 5.0 Yes	ssing 5m W. Ap	Uti North.	lities (L h Road Now 7 9 8	Gas Municip Problem / Emba Explana Local ro 3:1 ove	at) al n (Y/N) inkment ation of (bad inters r pipes. t only. Ea	No Condit ection	tion 30 m North.		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (ents West East a Fibre ent n (m) _:1) vver(m) :	ROW. and West optics ca 1)	ROW and cross ble at East RO 30.000 5.0 Yes	ssing 5m W. Ap	Uti North.	lities (L h Road Now 7 9 8 8	Gas Municip Problem I / Emba Explana Local ro 3:1 ove	at) nal n (Y/N) unkment ation of (bad inters r pipes. t only. Ea	No Condit ection	tion 30 m North. at local road.		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (ents West East a Fibre of nment ent n (m) _:1) over(m) :	ROW. and West optics ca 1)	ROW and cross ble at East RO 30.000 5.0 Yes t General Rat	ssing 5m W. Ap	Uti North.	lities (L h Road Now 7 9 8 8	Gas Municip Problem I / Emba Explana Local ro 3:1 ove	at) al n (Y/N) inkment ation of (bad inters r pipes. t only. Ea	No Condit ection	tion 30 m North. at local road.		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (ents West East a Fibre of nment ent n (m) _:1) ver(m) :	ROW. and West optics ca 1)	ROW and cross ble at East RO 30.000 5.0 Yes t General Rat	ssing 5m W. Ap	Uti North.	h Road Now 7 9 8 8 Voy	Gas Municip Problem I / Emba Explana Local ro 3:1 ove At West	at) val n (Y/N) inkment ation of (bad inters r pipes. t only. Ea	No Condit ection	tion 30 m North. at local road.		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (ents West East a Fibre of nment ent n (m) _:1) ver(m) : ad / Emt	ROW. and West optics ca 1) 1) oankmen	ROW and cross ble at East RO 30.000 5.0 Yes t General Rat	ssing 5m W. Ag	Uti North. Dproac Last 7 9 8 8 8	h Road Now 7 9 8 8 Vpstret Now	Gas Municip Problem I / Emba Explana Local ro 3:1 ove At West	at) hal h (Y/N) inkment ation of (bad inters r pipes. t only. Ea ation of (No Condit ection	tion 30 m North. at local road.		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (ents West East a Fibre of nment ent n (m) _:1) vver(m) : ad / Emb	ROW. and West optics ca 1) 1) cankmen	ROW and cross ble at East RO 30.000 5.0 Yes t General Rat	ssing 5m W. Ap ing	Uti North.	lities (L h Road Now 7 9 8 8 8 8 8	Gas Municip Problem I / Emba Explana Local ro 3:1 ove At West	at) al n (Y/N) inkment ation of (bad inters r pipes. t only. Ea ation of (No Condit ection st rail a	tion 30 m North. at local road.		
Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Embankment Sideslope (ents West East a Fibre o nment ent n (m) _:1) wer(m) : ad / Emt onent an Type	ROW. and West optics ca 1) 1) cankmen e: Primai	ROW and cross ble at East RO 30.000 5.0 Yes at General Rat	ssing 5m W. Ap	Uti North. Dproac Last 7 9 8 8 7 8 7 7 2 8 4 2 7 2 8 4 2 7 2 8 4 2 7 2 8 4 2 7 2 8 4 2 7 2 8 4 2 7 2 8 4 2 7 2 8 4 2 7 2 8 4 2 7 2 8 4 2 7 2 8 4 2 7 2 8 4 2 7 2 8 4 7 7 9 8 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 8 8	lities (L h Road Now 7 9 8 8 8 Vpstrei Now	Gas Municip Problem / Emba Explana Local ro 3:1 ove At West Explana	at) val n (Y/N) inkment ation of (bad inters r pipes. t only. Ea ation of (nd South	No Condit ection st rail a Condit pipe.	tion 30 m North. at local road.		
Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Embankment Sideslope (ents West East a Fibre of ent ent n (m) _:1) ver(m) : ad / Emt an Type (Concre	ROW. and West optics ca 1) 2000 2000 2000 2000 2000 2000 2000 2	ROW and cross ble at East RO 30.000 5.0 Yes t General Rat	ssing 5m W. Ap	Uti North. Last 7 9 8 8 7 7 8 4 7 7 2 8 4 7 8 4 7 4 7 8 4 7 4 7 4 7 4 7 8 4 7 4 7	lities (L h Road Now 7 9 8 8 8 8 7 Upstre Now	Gas Municip Problem I / Emba Explana Local ro 3:1 ove At West Explana	at) al n (Y/N) inkment ation of (bad inters r pipes. t only. Ea ation of (nd South	No Condit ection st rail a Condit pipe.	tion 30 m North. at local road.		

		1	Upstre	eam End			
Culvert Component		Last	Now	Explanation of Condition			
(Pipe # : 1, Span Type: Primary	v Span)						
Collar		X	X				
Wingwalls		X	Х				
(Shape :)							
Cutoff Wall		N	N				
Bevel End		8	8	Bevels project 1.5 m from fill on inside of North and South pipes &			
Heaving (mm)	0			center pipe end due to skew.			
Invert Above/Below Stream Bed	BELOW						
Above/Below (mm)	300						
Scour Protection		8	8				
(Type : RIP RAP)							
(Avg. Rock Size(mm) : 350)							
Scour/Erosion		8	8				
Beavers (Y/N)	No						
Upstream End General Rating	1	8	8				
		Brid	dae Cu	lvert Barrel			
Culvert Component		Last	Now	Explanation of Condition			
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2400, Type: MP)			
Barrel Last Accessible Date	23-Mar-2013		-	South pipe. All barrels 80% full flow. All pipes have 1m thick ice on floor.			
Special Features							
Special Feature							
(Туре :)							
Special Feature							
(Туре :)							
Roof		N	8				
Measured Rise (mm)	2410						
Measured At Ring No.	3			Estimate.			
Sag (mm)	10						
Percent Sag	1						
Sidewall		N	8	Inward.			
Measured Span (mm)	2390						
Measured At Ring No.	3						
Deflection (mm)	10						
Percent Deflection							
Floor		N	N				
Bulge (mm)							
Measured At Ring No.							
Abrasion (Y/N)							
Circumferential Seams		N	8	(Foam in seams diff alignment up to 130mm.)			
Separation (mm)	130						

		Bric	ige Cu	
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	in (mm)):	, Rise (mm): 2400, Type: MP)
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		N	6	
Corrosion By Soil (Y/N)	No			Minor sidewall corrosion.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	8	
		Duit		
Culvert Component		Brio		Explanation of Condition
(Pipe # : 1 Primary Span Loca	tion Code: D/S. Snan	(mm).		Explanation of Condition
Barrel Last Accessible Date	23-Mar-2013	<u>(IIIII).</u>	,	South pipe.
				All barrels 80% full flow. All pipes have 1m thick ice on floor.
Special Features			1	
Special Feature				
(Type ·)				
Special Feature				
Special Feature (Type :)				
Special Feature (Type :) Roof		N	8	Extended 2700mm.
Special Feature (Type :) Roof Measured Rise (mm)	2410	N	8	Extended 2700mm. Rates 8. Estimated sag 1%.
Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No.	2410 3	N	8	Extended 2700mm. Rates 8. Estimated sag 1%.
Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)	2410 3 10	N	8	Extended 2700mm. Rates 8. Estimated sag 1%.
Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag	2410 3 10 1	N	8	Extended 2700mm. Rates 8. Estimated sag 1%.
Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall	2410 3 10 1	N N N	8	Extended 2700mm. Rates 8. Estimated sag 1%.
Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm)	2410 3 10 1 2390	N N N	8	Extended 2700mm. Rates 8. Estimated sag 1%. Extended 2700mm. Rates 8. Max def 2650mm.
Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No.	2410 3 10 1 2390 3	N N N	8	Extended 2700mm. Rates 8. Estimated sag 1%. Extended 2700mm. Rates 8. Max def 2650mm. Inward.
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)	2410 3 10 1 2390 3 10	N N N	8	Extended 2700mm. Rates 8. Estimated sag 1%. Extended 2700mm. Rates 8. Max def 2650mm. Inward.
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	2410 3 10 1 2390 3 10	N N N	8	Extended 2700mm. Rates 8. Estimated sag 1%. Extended 2700mm. Rates 8. Max def 2650mm. Inward.
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	2410 3 10 1 2390 3 10	N N N N	8 8 8	Extended 2700mm. Rates 8. Estimated sag 1%. Extended 2700mm. Rates 8. Max def 2650mm. Inward.
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)	2410 3 10 1 2390 3 10	N N N N	8 8 8	Extended 2700mm. Rates 8. Estimated sag 1%. Extended 2700mm. Rates 8. Max def 2650mm. Inward.
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.	2410 3 10 1 2390 3 10	N N N N	8 8 8	Extended 2700mm. Rates 8. Estimated sag 1%. Extended 2700mm. Rates 8. Max def 2650mm. Inward.
(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)	2410 3 10 1 2390 3 10 	N N N N	8 8 8	Extended 2700mm. Rates 8. Estimated sag 1%. Extended 2700mm. Rates 8. Max def 2650mm. Inward.
(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) Circumferential Seams	2410 3 10 1 2390 3 10 	N N N N N	8 8 8 N	Extended 2700mm. Rates 8. Estimated sag 1%. Extended 2700mm. Rates 8. Max def 2650mm. Inward. (Foam in seams diff alignment up to 130mm.)

		Bric	dge Cul	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: D/S, Span	(mm):	, F	Rise (mm): 2700, Type: MP)
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		N	6	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		9	9	
Icing (Y/N)	No		-	
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratin	q	N	8	
	•			
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1 Span Type: Primary	(Snan)	Lasi	NOW	
Direction		F		East and South nine
End Treatment (Concrete Steel	STEEL	L		Last end South pipe.
Others, None)		v	v	
		^	^	
Collar		X	X	
Wingwalls		Х	X	
(Shape :)			1	
Cutoff Wall		N	N	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300		1	
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)			1	
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Ratir	ng	8	8	

Bridge Inspection & Maintenance System (Web 2005)

72100 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction		W		West end, center pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape :)				
Cutoff Wall		Ν	N	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 350)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
		DIIO	ige Cu	Ivert Darrei
Culvert Component		Last	Now	Explanation of Condition
Culvert Component	cation Code: MAIN S	Last nan (n	Now	Explanation of Condition Rise (mm): 2400, Type: MP)
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date	cation Code: MAIN, S 23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date	cation Code: MAIN, S 23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature	cation Code: MAIN, S 23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :)	cation Code: MAIN, S 23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature	cation Code: MAIN, S 23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)	cation Code: MAIN, S 23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)	cation Code: MAIN, S 23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Maggurad Pigg (mm)	cation Code: MAIN, S 23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Magaurad At Bing No	cation Code: MAIN, S 23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
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.	23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
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 Sec	23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe. Estimate.
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	cation Code: MAIN, S 23-Mar-2013 23-Mar-2013 2410 3 10 1	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
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	cation Code: MAIN, S 23-Mar-2013 23-Mar-2013 2410 3 10 1	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe. Estimate. Inward.
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)	cation Code: MAIN, S 23-Mar-2013 23-Mar-2013 2410 3 10 1 2380	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe. Estimate. Inward.
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.	cation Code: MAIN, S 23-Mar-2013 2410 3 10 1 2380 3 1-	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
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)	cation Code: MAIN, S 23-Mar-2013 2410 3 10 1 2380 3 20	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe. Estimate. Inward.
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	cation Code: MAIN, S 23-Mar-2013 2410 3 10 1 2380 3 20 0	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
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	cation Code: MAIN, S 23-Mar-2013 2410 3 10 1 2380 3 20 0	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
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)	cation Code: MAIN, S 23-Mar-2013 2410 3 10 1 2380 3 20 0 20 0	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe. Estimate.
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.	cation Code: MAIN, S 23-Mar-2013 2410 3 10 1 2380 3 20 0	Last pan (n	Now nm): 8 8	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe. Estimate.
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)	cation Code: MAIN, S 23-Mar-2013 23-Mar-2013 2410 3 10 1 2380 3 20 0 10 1 0 0 0 0 0 0 0 0 0 No	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe.
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. Circumferential Seams	cation Code: MAIN, S 23-Mar-2013 2410 3 10 1 2380 3 20 0 20 0 No	Last pan (n	Now nm): 8 8 8	Explanation of Condition , Rise (mm): 2400, Type: MP) Center Pipe. Estimate.

		Brid	dge Cu	ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN,	Span (r	nm):	, Rise (mm): 2400, Type: MP)
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		N	6	
Corrosion By Soil (Y/N)	No			Sidewali corrosion-minor.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	8	
		Brid	dae Cu	Ivert Barrel
Culvert Component		Brid Last	dge Cu Now	Ivert Barrel Explanation of Condition
Culvert Component (Pipe # : 2, Secondary Span, Lo	ocation Code: D/S, Sp	Brid Last Dan (mr	dge Cu Now n):	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP)
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date	ocation Code: D/S, Sp 23-Mar-2013	Brid Last pan (mr	dge Cu Now n):	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Le Barrel Last Accessible Date Special Features	ocation Code: D/S, Sp 23-Mar-2013	Brid Last Dan (mr	dge Cu Now n):	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature	ocation Code: D/S, Sp 23-Mar-2013	Brid	dge Cu Now n):	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :)	ocation Code: D/S, Sp 23-Mar-2013	Brid Last Dan (mr	dge Cu Now n):	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature	ocation Code: D/S, Sp 23-Mar-2013	Brite	dge Cu Now n):	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Le Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)	ocation Code: D/S, Sp 23-Mar-2013	Brid Last pan (mr	dge Cu Now n):	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Lu Barrel Last Accessible Date Special Features (Type :) Special Feature (Type :) Roof	ocation Code: D/S, Sp 23-Mar-2013	Brid Last pan (mr	dge Cu Now n):	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm)	ocation Code: D/S, Sp 23-Mar-2013 2410	Brid Last pan (mr	dge Cu Now n):	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe.
Culvert Component (Pipe # : 2, Secondary Span, Le Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No.	ocation Code: D/S, Sp 23-Mar-2013 23-Mar-2013 2410 3	Brid Last pan (mr	dge Cu Now n):	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe. Image: Condition of the second secon
Culvert Component (Pipe # : 2, Secondary Span, Lu Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)	ocation Code: D/S, Sp 23-Mar-2013 2410 3 10	Brid Last pan (mr	dge Cu Now n):	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe. Center Pipe. 1% sag estimate.
Culvert Component (Pipe # : 2, Secondary Span, Le Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag	ocation Code: D/S, Sp 23-Mar-2013 2410 3 10 1	Brid Last pan (mr	dge Cu Now n):	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe. Center Pipe. 1% sag estimate.
Culvert Component (Pipe # : 2, Secondary Span, Le 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	ocation Code: D/S, Sp 23-Mar-2013 2410 3 10 1	Brid Last pan (mr	dge Cu Now n): 8	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe. Center Pipe. 1% sag estimate. 2745mm span.
Culvert Component (Pipe # : 2, Secondary Span, Lu 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)	ocation Code: D/S, Sp 23-Mar-2013 2410 3 10 1	Brid Last pan (mr	dge Cu Now n): 8	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe. Center Pipe. 1% sag estimate. 2745mm span. @ 1/2 length of ext. 1% deflection
Culvert Component (Pipe # : 2, Secondary Span, Le 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.	ocation Code: D/S, Sp 23-Mar-2013 2410 3 10 1 2380 3	Brid Last pan (mr	dge Cu Now n): 8	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe. Center Pipe. 1% sag estimate. 2745mm span. @ 1/2 length of ext. 1% deflection.
Culvert Component (Pipe # : 2, Secondary Span, Le 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)	ccation Code: D/S, Sp 23-Mar-2013 2410 3 10 1 2380 3 20	Brid Last pan (mr	dge Cu Now n): 8	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe. Center Pipe. 1% sag estimate. 2745mm span. @ 1/2 length of ext. 1% deflection.
Culvert Component (Pipe # : 2, Secondary Span, Le 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	ocation Code: D/S, Sp 23-Mar-2013 2410 3 10 1 2380 3 20 0	Brid Last pan (mr	dge Cu Now n): 8	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe. Center Pipe. 1% sag estimate. 2745mm span. @ 1/2 length of ext. 1% deflection.
Culvert Component (Pipe # : 2, Secondary Span, Le 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	cocation Code: D/S, Sp 23-Mar-2013 2410 3 10 1 2380 3 20 0	Brid Last pan (mr	dge Cu Now n): 8	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe. Center Pipe. 1% sag estimate. 2745mm span. @ 1/2 length of ext. 1% deflection.
Culvert Component (Pipe # : 2, Secondary Span, Le 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)	Comparison Code: D/S, Sp 23-Mar-2013 2410 3 10 1 2380 3 20 0	Brid Last pan (mr	dge Cu Now n): 8	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe. Center Pipe. 1% sag estimate. 2745mm span. @ 1/2 length of ext. 1% deflection.
Culvert Component (Pipe # : 2, Secondary Span, Le 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.	cocation Code: D/S, Sp 23-Mar-2013 2410 3 10 1 2380 3 20 0	Brid Last pan (mr N N	dge Cu Now n): 8	Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe. Center Pipe. 1% sag estimate. 2745mm span. @ 1/2 length of ext. 1% deflection.
Culvert Component (Pipe # : 2, Secondary Span, Le 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)	cocation Code: D/S, Sp 23-Mar-2013 2410 3 10 1 2380 3 20 0	Brid Last pan (mr N N N	tige Cu Now n): 8	Vert Barrel Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe. Center Pipe. 1% sag estimate. 2745mm span. @ 1/2 length of ext. 1% deflection.
Culvert Component (Pipe # : 2, Secondary Span, Le 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	23-Mar-2013 23-Mar-2013 2410 3 10 1 2380 3 20 0 No	Brid Last pan (mr) N 	tige Cu Now n): 8 8 8 8 8	Explanation of Condition , Rise (mm): 2700, Type: MP) Center Pipe. Center Pipe. 1% sag estimate. 2745mm span. @ 1/2 length of ext. 1% deflection. Foam in seams.

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: D/S, Sp	an (mr	n):	, Rise (mm): 2700, Type: MP)
Longitudinal Seams		X	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		N	6	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type :)				
Waterway Adequacy		9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratin	g	N	8	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction		E		East end of center pipe.
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		Х	X	
Collar		8	8	Concrete around center pipe @ bottom half.
Wingwalls		X	Х	
(Shape :)		,		
Cutoff Wall		N	N	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300		-	
Scour Protection		8	8	
(Type : RIP RAP)				-
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Ratir	ng	8	8	

Bridge Inspection & Maintenance System (Web 2005)

72100 -1 Bridge Culvert

			Upstre	stream End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 3, Span Type: Second	lary Span)							
Direction		W		West end, North Pipe.				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape :)								
Cutoff Wall		Ν	N					
Bevel End		8	8					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	300							
Scour Protection		8	8					
(Type : RIP RAP)	·							
(Avg. Rock Size(mm) : 350)								
Scour/Erosion		8	8					
Beavers (Y/N)	No							
Upstream End General Rating		8	8					
		-						
		Dric		vert Derre				
		BIIC	ige cu					
Culvert Component	estion Code MAIN C	Last	Now	Explanation of Condition				
Culvert Component (Pipe # : 3, Secondary Span, Lo	ocation Code: MAIN, S	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP)				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date	ocation Code: MAIN, S 23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features	ocation Code: MAIN, S 23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature	ocation Code: MAIN, S 23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :)	23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature	23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)	23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof	23-Mar-2013	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm)	23-Mar-2013	Last pan (n	Now nm):	Vert Barrel Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe. Image: Nort North Pipe.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No.	23-Mar-2013 23-Mar-2013 2410 3	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe. Image: North Pipe.				
Culvert Component (Pipe # : 3, 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)	23-Mar-2013 2410 3 10	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe. Image: North Pipe.				
Culvert Component (Pipe # : 3, 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	23-Mar-2013 2410 3 10 0	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe. Image: North Pipe.				
Culvert Component (Pipe # : 3, 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	23-Mar-2013 23-Mar-2013 2410 3 10 0	N	Now nm):	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe. Image: North Pipe. North Pipe. Image: North Pipe. North Pipe. Image: North Pipe. North				
Culvert Component (Pipe # : 3, 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)	23-Mar-2013 23-Mar-2013 2410 3 10 0	N	8	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe. Image: North Pipe. North Pipe. Image: North Pipe. North Pipe. Image: North Pipe. North				
Culvert Component (Pipe # : 3, 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.	23-Mar-2013 23-Mar-2013 2410 3 10 0 2380 3	N	8	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe. Image: North Pipe. North Pipe. Image: North Pipe. Nothocal distortion from installation @ R4.				
Culvert Component (Pipe # : 3, 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)	23-Mar-2013	N	8	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe. Image: North Pipe. North Pipe. Image: North Pipe. North Pipe. Image: North Pipe. Noth Pipe. Not				
Culvert Component (Pipe # : 3, 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	23-Mar-2013 23-Mar-2013 2410 3 10 0 2380 3 20 0	N	Now nm): 8 8	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe. Image: North Pipe. Image: Im				
Culvert Component (Pipe # : 3, 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	23-Mar-2013 23-Mar-2013 2410 3 10 0 2380 3 20 0	N N	Image: Control Now nm):	Implementation Implem				
Culvert Component (Pipe # : 3, 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)	23-Mar-2013 23-Mar-2013 2410 3 10 0 2380 3 20 0	N	Now Nmm): 8 8 8 8 N	Implementation Implem				
Culvert Component (Pipe # : 3, 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.	23-Mar-2013 23-Mar-2013 2410 3 10 0 2380 3 20 0	N N	Now Now Nmm): 8 8 8 N	Image: Constraint of Condition Rise (mm): 2400, Type: MP) North Pipe. Image: Constraint of Condition Image: Condition of Conditio				
Culvert Component (Pipe # : 3, 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)	23-Mar-2013 23-Mar-2013 2410 3 10 0 2380 3 20 0	N N	8	Explanation of Condition , Rise (mm): 2400, Type: MP) North Pipe. Image: North Pipe. North Pipe. Image: North Pipe. North Pipe. Image: North Pipe. North Pipe. Image: North Pipe. North Pipe. Image: North Pipe. </td				
Culvert Component (Pipe # : 3, 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	23-Mar-2013	N N	Res 8 8 8 8 8 8 8 8 8 8 8 8 8	Image: Construction of Condition , Rise (mm): 2400, Type: MP) North Pipe. Image: Construction of the section from d/s) 16-Oct-2007 200mm local distortion from installation @ R4. 0% estimated sag. Inward. 2695mm @ R4. 0% estimated sag.				

		Brid	dge Cu	
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, L	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 2400, Type: MP)
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		N	N	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No		-	
Barrel General Rating		N	8	
		Brid	dqe Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
Culvert Component (Pipe # : 3, Secondary Span, L	ocation Code: D/S, Sp	Last an (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP)
Culvert Component (Pipe # : 3, Secondary Span, L Barrel Last Accessible Date	ocation Code: D/S, Sp 23-Mar-2013	Last an (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe.
Culvert Component (Pipe # : 3, Secondary Span, L Barrel Last Accessible Date Special Features	ocation Code: D/S, Sp 23-Mar-2013	Last oan (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe.
Culvert Component (Pipe # : 3, Secondary Span, Le Barrel Last Accessible Date Special Features Special Feature	ocation Code: D/S, Sp 23-Mar-2013	Last ban (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe.
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :)	ocation Code: D/S, Sp 23-Mar-2013	Last an (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe.
Culvert Component (Pipe # : 3, Secondary Span, L Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature	ocation Code: D/S, Sp 23-Mar-2013	Last ban (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe.
Culvert Component (Pipe # : 3, Secondary Span, L Barrel Last Accessible Date Special Features (Type :) Special Feature (Type :)	ocation Code: D/S, Sp 23-Mar-2013	Last ban (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe.
Culvert Component (Pipe # : 3, Secondary Span, L Barrel Last Accessible Date Special Features (Type :) Special Feature (Type :) Roof	ocation Code: D/S, Sp 23-Mar-2013	Last an (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe.
Culvert Component (Pipe # : 3, Secondary Span, Lu Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm)	23-Mar-2013 2410	Last pan (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe.
Culvert Component (Pipe # : 3, Secondary Span, L Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No.	23-Mar-2013 2410 2410	Last an (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe.
Culvert Component (Pipe # : 3, Secondary Span, Lu Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)	23-Mar-2013 2410 2410	Last an (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe. (Local 180mm bulge @ 4th section from d/s) 16-Oct-2007 Estimate.
Culvert Component (Pipe # : 3, Secondary Span, Lu Barrel Last Accessible Date Special Features (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag	23-Mar-2013 2410 3 10 0	Last an (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe. (Local 180mm bulge @ 4th section from d/s) 16-Oct-2007 Estimate.
Culvert Component (Pipe # : 3, Secondary Span, L 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	23-Mar-2013 2410 3 10 0	Last an (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe. (Local 180mm bulge @ 4th section from d/s) 16-Oct-2007 Estimate.
Culvert Component (Pipe # : 3, Secondary Span, Lu 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)	23-Mar-2013 2410 3 10 0 2380	Last an (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe. (Local 180mm bulge @ 4th section from d/s) 16-Oct-2007 Estimate.
Culvert Component (Pipe # : 3, Secondary Span, Lu 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.	23-Mar-2013 23-Mar-2013 2410 3 10 0 2380 3	Last an (mr	Now n): 8	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe. (Local 180mm bulge @ 4th section from d/s) 16-Oct-2007 Estimate.
Culvert Component (Pipe # : 3, Secondary Span, Lu 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)	23-Mar-2013 23-Mar-2013 2410 3 10 0 2380 3 20	Last an (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe. Image: Straight of Stra
Culvert Component (Pipe # : 3, Secondary Span, Lu 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	Cation Code: D/S, Sp 23-Mar-2013 2410 3 10 0 2380 3 20 0	Last an (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe. (Local 180mm bulge @ 4th section from d/s) 16-Oct-2007 Estimate. Inward.
Culvert Component (Pipe # : 3, Secondary Span, Lu 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	23-Mar-2013 23-Mar-2013 2410 3 10 0 2380 3 20 0	Last an (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe. (Local 180mm bulge @ 4th section from d/s) 16-Oct-2007 Estimate. Inward.
Culvert Component (Pipe # : 3, Secondary Span, Lu 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)	23-Mar-2013 23-Mar-2013 2410 3 10 0 2380 3 20 0	Last an (mr	Now n): 8 8	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe. (Local 180mm bulge @ 4th section from d/s) 16-Oct-2007 Estimate. Inward.
Culvert Component (Pipe # : 3, Secondary Span, L 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.	Cation Code: D/S, Sp 23-Mar-2013 2410 3 10 0 2380 3 20 0	Last an (mr	Now n): 8 8	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe. (Local 180mm bulge @ 4th section from d/s) 16-Oct-2007 Estimate. Inward.
Culvert Component (Pipe # : 3, Secondary Span, L 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)	23-Mar-2013 23-Mar-2013 2410 3 10 0 2380 3 20 0	Last an (mr	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe. (Local 180mm bulge @ 4th section from d/s) 16-Oct-2007 Estimate. Inward.
Culvert Component (Pipe # : 3, Secondary Span, Lu 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) Circumferential Seams	23-Mar-2013 23-Mar-2013 2410 3 10 0 2380 3 20 0	Last an (mr	Now n): 8 8	Explanation of Condition , Rise (mm): 2700, Type: MP) North Pipe. Image: Stress of the section from the sectin from the section from the section from the section

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Lo	cation Code: D/S, Sp	an (mr	n):	, Rise (mm): 2700, Type: MP)
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		N	N	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		x	X	
(Type:)				
Waterway Adequacy		q	Q	
loing (Y/N)	No		5	
Silting (Y/N)	No			
Drift(Y/N)	No			
Barrol Extension Conoral Patin		N	0	
Barrel Extension General Ratin	'Y		0	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Second	ary Span)	,		
Direction		E		East end of North pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		X	X	
Wingwalls		X	Х	
(Shape :)				
Cutoff Wall		N	N	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Ratir	ng	8	8	

		S	structu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	(4) 2100 CSP below tracks 20m U/S.
Bank Stability		8	8	
HWM (m below Top of Culvert)	0.6			No HWM visible.
Drift (Y/N)	No			
Channel Bottom	NONE			
Degrading/Aggrading				-
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		8	8	

			Maintenance Re	commend	ations					
Inspector Recommendations	ector Recommendations Year Inspector Comments				Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTO	FF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No (%)	w)	55.6/88.9	9 Sufficiency Rating (Last/N (%)	low)	74.9/91.4	Est. Repl. Yr	2030	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Total	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Jon Da	vies		Previous	Assistant's Name					
Next Inspection Date	24-Dec	-2014		Previous	nspection Date	22-Jun-2011				
Inspection Cycle (Default) (months)	21									
Comment										