Bridge Culvert Inspection														
Bridge File Num	ber	74372 -	1 Bridge Culver	t	Dinag	e ourve	Form Type			CULM				
Year Built		1975				Lot No				2				
Bridge or Town Name PEERS									– Todd Warshawski					
Located Over TRIBUTARY TO JANUARY CRE				EEK.				BR CLS B						
8.11.107.22.1, WATERCRS-ST				,		· ·	nt Name							
Located On		16:08 R	1 1.146;16:08 L	_1 1.135			Assistant Class							
Water Body CI./							Inspection Date		10-Aug-2012					
Navigabil. CI./Ye							Data Entry By		Theresa Lacusta					
Legal Land Loca			26 TWP 53 R	GE 14 W	5M		Data E	ntry Date		27-Aug-2012				
Longitude, Latitu	ude		:04, 53:36:12				Reviewer Name			Eric Carcoux				
			Transportation	ransportation (AIT)					Review Date		27-Aug-2012			
Contract Main. A		CMA12					Dept. F	Dept. Reviewer Name Brent Herrick						
Clear Roadway/	Skew	25 /			Dept. Review Date			30-Aug-2012						
AADT/Year			2011 (A)				Follow-	Uр Ву						
Road Classificat		RAD-41	2.4-120				-							
Detour Length (,	1												
Bridge Culvert		i												
Number of Culv			2			T		1 an att		Com Draft		Chart		
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	1200		MP		88		68X13	2.8	ROUND		
2	MAIN		-	1200		MP		85.1		68X13	2.8	ROUND		
Special Feature	s													
Utility Attachme Telephone Power Others Remarks	North	Utilities (Located at) a r/w. Gas Municipal Problem (Y/N) No ag West pipe (South).												
				A	Last			ankment ation of (Condi	tion				
Horizontal Align	ment				7	7	Explanation of Condition Intersection 80m East.							
Vertical Alignme					7	7	Long crest east.							
Roadway Width			25.000				EBL 12	.5m, WBI	_ 12.5r	m.				
Embankment					7	7								
Sideslope (·1)		4.0											
(Height of Cov		3)												
Guardrail (Y/N)			No											
Approach Road	d / Eml	bankmer	nt General Rat	ing	7	7								
						Unstre	am End							
Culvert Compo	nent				Last		1	ation of (Condi	tion				
(Pipe # : 1, Spa		e: Prima	ry Span)											
Direction			<i>'</i>		S		West p	ipe						
End Treatment (Concrete, Steel, STEEL Others, None)														
Headwall			Х	Х										
Collar			Х	Х										
Wingwalls				Х	X									
(Shape:)														

(Pipe 1: 1, Span Type: Primary Span) X X X Cutoff Wall X X X Beavel End 150 × Heaving (mm) 150 × Inmert Above/Below Stream Bad BELOW × Stoury Protoction N S Groury Protoction No S Groury Protoction Second Protoction Second Protoction						
Cundf WallXXXBervel EndF50XHeaving (mm)F50XAbove Below (mm)BELOW	Culvert Component		Last	Now	Explanation of Condition	
Beave EndNXHeaving (mm)150-Invert Above/Below (tram and below)150Sour ProtectionNNSour ProtectionNSGroup Frosting (Type : RIP RAP)NSCitype : RIP RAP)NSSecure TrostinNSBeavers (Y/N)NoSBeavers (Y/N)NoSCulver ComponentLastNoverExplanation of ConditionExplanation of ConditionCulver ComponentLastNoverSpecial FeatureOulu-2005SSpecial FeatureSChype :)SSpecial FeatureNNNNNMeasured AR Ring No.20SSeq (mm)1100SMeasured AR Ring No.SSeq (mm)1100SMeasured AR Ring No.SSeq (mm)1180SMeasured AR Ring No.SDefection (mm)40SProcent SagSSeparation on circumferential seams. Minor dent East wall, 10m from US end-20-Nov-2008Measured AR Ring No.SAbrasion (YNN)NoNCircumferential SeamsNoSeparation (mm)180Measured AR Ring No.SCircumferential SeamsNoSeparation (mm)180Measured AR Ring No.SCircumferential SeamsNoCircumferential SeamsNoCircumferent		/ Span)				
Heaving (mm) 150 Image Above/Below Stream Bed BELOW Invert Above/Below (mm) 100 Image Above/Below (mm) 100 Sour Protection N S Group Protection N S Beavers (Y/N) No S Dystream End General Rating Image Above/Below (Protection) Image Above/Below (Protection) Culvert Component Last Now Explanation of Condition Group Protection Code (MAIN, Span (Protection) Res (Protection) Not accessible due to water levels. Special Feature S Second Feature Not accessible due to water levels. Special Feature S Second Feature Not accessible due to water levels. Sag (mm) 20 S Second Feature Not accessible due to water levels. Second Feature Nota Nota Nota Nota Group Cast (Protection) 120 Second Feature Nota Group Cast (Protection) 120 Second Feature Nota Group Cast (Protection) 120 Second Feature	Cutoff Wall		X	X		
Heaving (mm) 150 Image Above/Below Stream Bed BELOW Invert Above/Below (mm) 100 Image Above/Below (mm) 100 Sour Protection N S Group Protection N S Beavers (Y/N) No S Dystream End General Rating Image Above/Below (Protection) Image Above/Below (Protection) Culvert Component Last Now Explanation of Condition Group Protection Code (MAIN, Span (Protection) Res (Protection) Not accessible due to water levels. Special Feature S Second Feature Not accessible due to water levels. Special Feature S Second Feature Not accessible due to water levels. Sag (mm) 20 S Second Feature Not accessible due to water levels. Second Feature Nota Nota Nota Nota Group Cast (Protection) 120 Second Feature Nota Group Cast (Protection) 120 Second Feature Nota Group Cast (Protection) 120 Second Feature	Bevel End		N	Х		
Invert Above/Below Stream Bed Above/Below (mm) BELOW Image: Stream Bed Above/Below (mm) BELOW Above/Below (mm) 100 Image: Stream Bed Citype : NP RAP) N 5 (Type : NP RAP) N 5 Image: Stream Bed Beavers (Y/N) N 5 Beavers (Y/N) No 0 Image: Stream Bed Beavers (Y/N) No 5 Upstream End General Rating (Pipe # 1, Primary Span, Location Code: MAIN, Span (mm): N 5 Stream Bed Beavers (Y/N) No Stream Bed Culvert Component Image: Stream Bed Beavers (Y/N) No No No Stream Bed Special Feature No No No Stream Stream Bed Beavers (Y/N) No No No No No Stream		150		_		
Scour ProtectionNS(Type Rip RAP) (Vyg. Rock Steprim) : 200NSScourEcrosionNNSBeavers (Y/N)NoVSUpstream End General RatingASCourse ComponentLast NovoExplanation of Condition(Pipe # : 1, Primary Span, Location Code: MAIN, Span (nm):Rise (nm): 1200, Type: MP)Barrel Last Accessible Date20-Jul-2005West Culvert.Special FeatureIVSpecial FeatureIV(Type :)SVSpecial Feature Special Feature Special Feature Special Feature Cilvert Close:V(Type :)IISecial Feature Special Feature Special Feature Special Feature Special Feature Cilvert Special Feature Special Feature Special Feature Cilvert Special Feature Special Featur		BELOW				
Scour ProtectionNS(Type Rip RAP) (Vyg. Rock Steprim) : 200NSScourEcrosionNNSBeavers (Y/N)NoVSUpstream End General RatingASCourse ComponentLast NovoExplanation of Condition(Pipe # : 1, Primary Span, Location Code: MAIN, Span (nm):Rise (nm): 1200, Type: MP)Barrel Last Accessible Date20-Jul-2005West Culvert.Special FeatureIVSpecial FeatureIV(Type :)SVSpecial Feature Special Feature Special Feature Special Feature Cilvert Close:V(Type :)IISecial Feature Special Feature Special Feature Special Feature Special Feature Cilvert Special Feature Special Feature Special Feature Cilvert Special Feature Special Featur						
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A NSouries (Vin)NSBeavers (Vin)NoSUpstream End General RatingNSColspan="2">Colspan="2"Colspan="2">Colspan="2">Colspan="2"Colspan="2"Colspan="2"Colspan="2"Social FeaturesSocial FeaturesSocial FeaturesColspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2" <td>(Type : RIP RAP)</td> <td></td> <td></td> <td></td> <td></td>	(Type : RIP RAP)					
Scourie rosionN5Beavers (Y(N)NoVUpstream End General RatinVYUpstream End General RatinYYCityer ComponentLastNovFight 21 A Sccessible Date20-Jul-2005VBarrel Last Accessible Date20-Jul-2005VSpecial FeaturesSVSpecial FeatureIVType :)VVSpecial FeatureIVType :)VVSpecial FeatureIVType :)VVSpecial FeatureIVType :)VVMeasured Rise (mm)120VMeasured Rise (mm)120VMeasured At Ring No.IVSpecial FeatureNNParcen ISag2VSidewall1160VMeasured At Ring No.IVParcen Deflection (mm)40VPercent Deflection (mm)40VPercent Deflection (mm)40VBulge (mm)0VBulge (mm)0VBulge (mm)0VBulge (mm)160VCitruer(entral SeamsVSeparation (mm)160VBulge (mm)0VBulge (mm)160VCitruer(entral SeamsVSeparation (mm)160VTotal No. of Cracked Ring NoVTotal No. of Crack						
Upstream End General RatingBridge Culvert BarrelBridge Culvert BarrelCulvert ComponentLast NowExplanation of Condition(Pipe # 1, Primary Span, Location Code: MAIN, Span (mm):*Rise (mm): 1200, Type: MP)Barel Last Accessible Date20 Jul-2005*Rise (mm): 1200, Type: MP)Barel Leat Accessible Date20 Jul-2005**Special Feature(Type:)Special Feature**Special Feature**Special Feature**(Type:)Special Feature**Special Feature**Special Feature**Special Feature**(Type :)*RoofNNNNNNNNNN*Prime Total No. of Cracked Span (mm)100*Prime Total No. of Cracked Rings*Prime Total No. of Cracked	Scour/Erosion		N	5		
Upstream End General RatingBridge Culvert BarrelBridge Culvert BarrelCulvert ComponentLast NowExplanation of Condition(Pipe # 1, Primary Span, Location Code: MAIN, Span (mm):*Rise (mm): 1200, Type: MP)Barel Last Accessible Date20 Jul-2005*Rise (mm): 1200, Type: MP)Barel Leat Accessible Date20 Jul-2005**Special Feature(Type:)Special Feature**Special Feature**Special Feature**(Type:)Special Feature**Special Feature**Special Feature**Special Feature**(Type :)*RoofNNNNNNNNNN*Prime Total No. of Cracked Span (mm)100*Prime Total No. of Cracked Rings*Prime Total No. of Cracked						
Culvert Component Last Now Explanation of Condition Culvert Component Last Now Explanation of Condition (Pipe # 1, Primary Span, Location Code: MAIN, Span (mm): Rise (mm): 1200, Type: MP) Barrel Last Accessible Date 20-Jul-2005 Image: Component (Mathematication (Ma	Beavers (Y/N)	No				
Culvert Component Last Now Explanation of Condition Culvert Component Last Now Explanation of Condition (Pipe # 1, Primary Span, Location Code: MAIN, Span (mm): Rise (mm): 1200, Type: MP) Barrel Last Accessible Date 20-Jul-2005 Image: Component (Mathematication (Ma	Upstream End General Rating		4	5		
Curve ComponentLatsNoveExplanation of Condition(Pipe 1: 1) Frintrary Span, Loc-2014NoveFile (hum?): 200, Type: MP)Barel Last Accessibe Date20-01-0205ISea (curver, Noraccessible due to water levels.Special FeatureIIISpecial FeatureIII(Type :)III(Type :)IIIRofNNIMeasured Rise (mn)120IISag (mn)20IISolard TransmerNNMeasured At Ring No.IIIMeasured At Ring No.160IIMeasured At Ring No.IIIMeasured At Ring No.IIIMeasured At Ring No.IIIMeasured At Ring No.IIIProtent Deflection3IIRofferent TransmerNNNRofferent TransmerN						
Kise (mm): 1200, Type: MP) Barrel Last Accessible Date 20-Jul-2005 West culvert. Not accessible due to water levels. Special Feature Image: Comparison of the second due to water levels. West culvert. Not accessible due to water levels. Special Feature Image: Comparison of the second due to water levels. West culvert. Not accessible due to water levels. Special Feature Image: Comparison of the second due to water levels. Messure Accessible due to water levels. Special Feature Image: Comparison of the second due to water levels. Messure Accessible due to water levels. Special Feature Image: Comparison of the second due to water levels. Messure Accessible due to water levels. Special Feature Image: Comparison due to water levels. Messure Accessible due to water levels. Measured Rise (mm) 1220 Image: Comparison due to water levels. Messure Accessible due to water levels. Percent Sag 2 Image: Comparison due to water levels. Messure Accessible due to water levels. Measured At Ring No. A N N A Budge (mm) 0 Image: Comparison (YN) No Image: Comparison (YN) No A Clicumferential Seams 10 N N <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>						
Barrel Last Accessible Date 20-Jul-2005 Version of the second of the se						
Not accessible due to water levels.Special FeatureI(Type :)Special FeatureSpecial FeatureNNNSpecial FeatureN(Type :)Special FeatureNNNMeasured Rise (mm)1220Bage (mm)20Percent Sag2SidewallNMeasured At Ring No.Separation on circumferential seams. Minor dent East wall, 10m from US end20-Nov-2008Measured At Ring No.Separation on circumferential seams. Minor dent East wall, 10m from US end20-Nov-2008Measured At Ring No.Separation on circumferential seams. Minor dent East wall, 10m from US end20-Nov-2008Percent Deflection3FloorNNNNNMeasured At Ring NoBuge (mm)0Measured At Ring NoBuge (mm)0Measured At Ring NoSeparation (Y/N)NoCircumferential SeamsNNNNNSeparation (mm)180Separation (mm)180Separation (mm)180Total No. of Rings with Two Cracked SeamsMin. Remaining SteelBetween Cracks (mm)Between Cracks (mm)Between Cracks (mm)Between Cracks (mm)Between Cracks (mm) </td <td></td> <td></td> <td>ban (mm</td> <td>1):</td> <td></td>			ban (mm	1):		
Special Feature (Type :) Special Feature (Type :) Rof N N Measured Rise (mm) 1220 \sim Sag (mm) 20 \sim \sim Sag (mm) 20 \sim \sim Sag (mm) 20 \sim \sim Second Sag 2 \sim \sim Second Sag 2 \sim \sim Measured At Ring No. N N Separation on circumferential seams. Minor dent East wall, 10m from U/S end20-Nov-2008 Measured At Ring No. \sim \sim Separation on circumferential seams. Minor dent East wall, 10m from U/S end20-Nov-2008 Builge (mm) 0 \sim \sim Separation on circumferential seams. Minor dent East wall, 10m from U/S end20-Nov-2008 Corcumferential Seams N N Builge (mm) 0 \sim \sim \sim \sim \sim Circumferential Seams N N N \sim $2nd$ seam U/S 180mm separation. No infiltration but fill is exposed. Previously grouted circumferential seams. Void beside grouted seam20-Nov-	Barrel Last Accessible Date	20-Jul-2005				
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(Type :)Special FeatureI(Type :)IRoofNNMeasured Rise (mm)1220Measured At Ring No.20Sag (mm)20Percent Sag2SidewallIMeasured Span (mm)1160Measured At Ring No.NMeasured At Ring No.NSidewallNMeasured Span (mm)1160Deflection (mm)40Percent Deflection3FloorNBulge (mm)0OMeasured At Ring No.NDeflection (mm)180Subarge (mm)180Separation (mm)180Separation (mm)180Longitudinal SeamsNSeparation (mm)180Total No. of Cracked Rings	•					
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(Type :)RoofNNRoofNNMeasured Rise (mm)1220 \sim Measured At Ring No.20 \sim Sag (mm)20 \sim Percent Sag2 \sim SidewallNNMeasured At Ring No.NNMeasured At Ring No.NNDeflection (mm)40 \sim Deflection 3 \sim Percent Deflection 3 \sim FloorNNFloorNNMeasured At Ring No.0Bulge (mm)0 \sim Bulge (mm)0 \sim Bulge (mm)0 \sim Bulge (mm)0 \sim Separation (mm)180 \sim Separation (mm)180 \sim Conguiturinal SeamsXXTotal No. of Rings with Two Cracked SeamsXCracked SeamsXXProper Lap (Y/N) \sim Proper Lap (Y/N) \sim NoNCoatingNCorrosion By Soil (Y/N)NoNoN						
RoofNNNMeasured Rise (mm)1220 $>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>$			I			
Measured Rise (mm)1220Image: Constraint of the second seco			N	N		
Measured At Ring No.Image: Constraint of the second s		1220				
Sag (mm)20 20 Percent Sag2 1 SidewallNNNMeasured Span (mm)1160 2 Deflection (mm)40 2 Deflection (mm)40 2 Percent Deflection3 2 Bulge (mm)0 1 Bulge (mm)0 1 Measured At Ring No.NNBulge (mm)0 1 Bulge (mm)0 1 Circumferential SeamsNNSeparation (mm)180 2 Circumferential SeamsXXTotal No. of Cracked RingsXXTotal No. of Cracked Seams X XMin. Remaining Steel Between Cracks (mm) 2 X Min. Remaining Steel Between Cracks (mm) 2 X Min. Remaining Steel Between Cracks (mm) 2 X CoatingNNCorrosion By Soil (Y/N)NoNoNNoNNoNNoNDeep pitting in floor20-Nov-2008						
Sidewall N N N Separation on circumferential seams. Minor dent East wall, 10m from U/S end20-Nov-2008 Measured At Ring No. 0 U/S end20-Nov-2008 Deflection (mm) 40		20				
Measured Span (mm)1160Image: Constraint of the second seco	Percent Sag	2				
Measured Span (mm)1160Image: Constraint of the second seco	Sidewall		N	N	Separation on circumferential seams. Minor dent East wall, 10m from	
Deflection (mm)40IPercent Deflection3IFloorNNNBulge (mm)0IMeasured At Ring No.IIAbrasion (Y/N)NoISeparation (mm)180ISeparation (mm)180IIongitudinal SeamsXXTotal No. of Cracked RingsITotal No. of Rings with Two Cracked SeamsITotal No. of Rings with Two Cracked SeamsIMin. Remaining Steel Between Cracks (mm)IProper Lap (Y/N)ILongitudinal Stagger (Y/N)INN Corrosion By Soil (Y/N)NoNoNNN NDeep pitting in floor20-Nov-2008	Measured Span (mm)	1160			U/Ś end20-Nov-2008	
Percent Deflection3IFloorNNNBulge (mm)0-Measured At Ring NoAbrasion (Y/N)No-Separation (mm)180-Iongitudinal SeamsXXTotal No. of Cracked Rings-XTotal No. of Rings with Two Cracked Seams-Min. Remaining Steel Between Cracks (mm)Proper Lap (Y/N)Longitudinal Stagger (Y/N)NoNNCorrosion By Soil (Y/N)No-NoNNNoNNCorrosion By Soil (Y/N)No-NoNNNoNNNoNNNoNNNoNNNoNNNoNNNoNNNoNNNoNNNoNNNoNNNoNNNoNNNoNNoNNNoNNNoNNoNNoNNoNNoNNoNNoNNoNNoNNoNNoNNoNNoNNo <t< td=""><td>Measured At Ring No.</td><td></td><td></td><td></td><td></td></t<>	Measured At Ring No.					
Floor N N N Bulge (mm) 0 Image: Constraint of the state of the s	Deflection (mm)	40				
Bulge (mm)0IMeasured At Ring No.IIAbrasion (Y/N)NoICircumferential SeamsNNSeparation (mm)180IIongitudinal SeamsXXTotal No. of Cracked RingsIXTotal No. of Rings with Two Cracked SeamsIMin. Remaining Steel Between Cracks (mm)IIIongitudinal Stagger (Y/N)IICortosion By Soil (Y/N)NoNNNNCorrosion By Soil (Y/N)NoI	Percent Deflection	3				
Measured At Ring No. Image: Construction of the time of	Floor		N	N	(D/S half of floor covered with silt. 20/July/2005)	
Abrasion (Y/N)NoImage: NoCircumferential SeamsNNNSeparation (mm)180NPreviously grouted circumferential seams. Void beside grouted seam20-Nov-2008Longitudinal SeamsXXTotal No. of Cracked RingsImage: NoXTotal No. of Cracked RingsImage: NoImage: NoTotal No. of Rings with Two Cracked SeamsImage: NoImage: NoMin. Remaining Steel Between Cracks (mm)Image: NoImage: NoProper Lap (Y/N)Image: NoImage: NoLongitudinal Stagger (Y/N)Image: NoNNoNNCorrosion By Soil (Y/N)NoImage: No	Bulge (mm)	0				
Circumferential Seams N N N 2nd seam U/S 180mm separation. No infiltration but fill is exposed. Previously grouted circumferential seams. Void beside grouted seam20-Nov-2008 Longitudinal Seams X X X Total No. of Cracked Rings X X X Total No. of Rings with Two Cracked Seams Image: Cracked Seams Image: Cracked Seams Image: Cracked Seams Min. Remaining Steel Between Cracks (mm) Image: Cracked Seams Image: Cracked Seams Image: Cracked Seams Image: Cracked Seams Proper Lap (Y/N) Image: Cracked Seams Coating No N N Deep pitting in floor20-Nov-2008	Measured At Ring No.					
Separation (mm)180Previously grouted circumferential seams. Void beside grouted seam20-Nov-2008Longitudinal SeamsXXTotal No. of Cracked RingsXXTotal No. of Rings with Two Cracked Seams	Abrasion (Y/N)	No				
Separation (nm) No Iso seam20-Nov-2008 seam20-Nov-2008 Seam20-Nov-2008	Circumferential Seams		N	N	2nd seam U/S 180mm separation. No infiltration but fill is exposed.	
Longitudinal SeamsXXTotal No. of Cracked Rings	Separation (mm)	180			Previously grouted circumferential seams. Void beside grouted seam20-Nov-2008	
Total No. of Cracked Rings Image: Constant of Rings with Two Cracked Seams Total No. of Rings with Two Cracked Seams Image: Cracked Seams Min. Remaining Steel Between Cracks (mm) Image: Cracked Seams Proper Lap (Y/N) Image: Constant of Cracked Seams Coating N No N Deep pitting in floor20-Nov-2008	Longitudinal Seams		Х	X		
Total No. of Rings with Two Image: Constant of Cracked Seams Min. Remaining Steel Between Cracks (mm) Image: Cracked Seams Proper Lap (Y/N) Image: Cracked Seams Longitudinal Stagger (Y/N) Image: Cracked Seams Coating N Corrosion By Soil (Y/N) No					1	
Cracked Seams Image: Cracked Seams <th image:<="" td=""><td></td><td></td><td></td><td></td><td>1</td></th>	<td></td> <td></td> <td></td> <td></td> <td>1</td>					1
Between Cracks (mm) Image: Constant of the second	Cracked Seams				_	
Proper Lap (Y/N) Image: Construction Longitudinal Stagger (Y/N) Image: Construction Coating N Corrosion By Soil (Y/N) No	Min. Remaining Steel					
Longitudinal Stagger (Y/N) N N Coating N N Corrosion By Soil (Y/N) No						
Coating N N Deep pitting in floor20-Nov-2008 Corrosion By Soil (Y/N) No Image: Constraint of the second se						
Corrosion By Soil (Y/N) No			N	N	Deep pitting in floor -20-Nov-2008	
	v	No	IN IN	IN	2000 pitting in 100120-1407-2000	
	Corrosion By Water (Y/N)	Yes				

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

74372 -1 Bridge Culvert

		Brid	dae Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	pan (mm):	, Rise (mm): 1200, Type: MP)
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	Yes			Due to d/s beaver dams.
Fish Passage Adequacy		5	5	
Baffle		X	Х	
(Туре :)				
Waterway Adequacy		5	5	(Old section has 300 mm silt and rock. 20/July/2005)
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	4	GR carried forward-20-Jul-2005
		D	ownsti	ream End
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Direction		N		West pipesubmerged.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	Х	
Wingwalls		X	Х	
(Shape :)				
Cutoff Wall		Х	X	
Bevel End		N	N	Upper portion severely corroded20-Nov-2008
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	850			
Scour Protection		N	N	
(Туре :)				_
(Avg. Rock Size(mm) :)				
Scour/Erosion		N	N	
Beavers (Y/N)	Yes			
Downstream End General Ration	ng	N	N	
				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)	0		Eastaine
Direction	OTEEL	S		East pipe.
End Treatment (Concrete, Steel, Others, None)	SIEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	-
(Shape :)				
Cutoff Wall		X	X	

Alberta Transportation

			Upstre	am End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End		N	6	Minor dent top.
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		N	5	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		N	5	
Beavers (Y/N)	No			
Upstream End General Rating		N	5	
		Bri	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN.		-	, Rise (mm): 1200, Type: MP)
Barrel Last Accessible Date				East pipe
				NOt accessible due to water level.
Special Features				
Special Feature				
(Type:)				_
Special Feature				
(Type:)				
Roof		N	N	1205, 5m from U/S - 1163, D/S ice - no apparent problem D/S20- Nov-2008
Measured Rise (mm)	1082			-
Measured At Ring No.				-
Sag (mm)	118			-
Percent Sag	10			
Sidewall	1	N	N	U/S - 1145, 5m from U/S - 1125, D/S ice - no problem observed D/S20-Nov-2008
Measured Span (mm)	1318			
Measured At Ring No.				-
Deflection (mm)	118			-
Percent Deflection	10		_	
Floor		N	N	Pitting and scaling20-Nov-2008
Bulge (mm)	0			-
Measured At Ring No.				-
Abrasion (Y/N)	No			
Circumferential Seams	1	N	N	-
Separation (mm)	100			
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	Scaling & pitting on floor especially second barrel20-Nov-2008
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			1
Camber POS/ZERO/NEG	NEG			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

74372 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1200, Type: MP)					
Ponding (Y/N)	Yes			Due to d/s beaver dams.					
Fish Passage Adequacy		7	7						
Baffle		Х	Х						
(Туре:)									
Waterway Adequacy		4	5						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating				G.R. carried forward from 20/July/2005.					
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Span Type: Second	ary Span)								
Direction		N		East pipe					
End Treatment (Concrete, Steel, Others, None)	STEEL			Completely submerged due to beaver dam.					
Headwall		Х	X						
Collar			Х						
Wingwalls		X	Х						
(Shape :)									
Cutoff Wall		Х	X						
Bevel End		N	N						
Heaving (mm)	100								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	800								
Scour Protection		N	N						
(Type:)				-					
(Avg. Rock Size(mm) :)									
Scour/Erosion		N	N						
Beavers (Y/N)	Yes								
Downstream End General Ration	ng	N	N						
		5	Structu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		5	5	Channel makes turn to enter pipe.					
Bank Stability			6						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading				Large beaver dams on d/s end.					
Beavers (Y/N)	Yes								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			5						

			Maintenance Re	commend	lations					
Inspector Recommendations		Year	Inspector Comments		Department Comm	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATI	ON									
INSTALL CONCRETE/STEEL L	NING									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR	CUTOFF									
REPAIR SEAMS										
OTHER ACTION		2012	Remove d/s beaverdams.							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (L (%)	ast/Now)	44.4/44.	.4 Sufficiency Rating (Last/N (%)	low)	45.5/49.4	Est. Repl. Yr	2020	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection As this structure has not been accessed for 2 or more cycles, a Level 2 in required as per Bim Manual Section 13.9.1.5 Based on observed site ev- we are recommending that his be deferred to a later date.				spection is luations	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 Todd		odd Warshawski			Previous Assistant's Name					
Next Inspection Date 10-Ma		y-2014		Previous	vious Inspection Date 16-Sep-2010					
Inspection Cycle (Default) (months) 21										
Comment										