Bridge Culvert Inspection														
Bridge File Num	ber	77734	-1 Bridge Culve	rt			Form Type		CUL1					
Year Built 1984					Lot No.			4						
Bridge or Town	Name	WARR	ENSVILLE			Inspector Name		Brian Pientsch						
Located Over			RDER TRIBUTA				Inspector Class			BR CLS A				
CREEK, 8. Located On 737:02 C1 Water Body CI./Year Navigabil. CI./Year Legal Land Location SE SEC 26 Longitude, Latitude -117:49:22 Road Authority Alberta Tra Contract Main. Area CMA04 Clear Roadway/Skew 8.9 / AADT/Year 320 / 2012 Road Classification RCU-208-7 Detour Length (km) 10  Bridge Culvert Information Number of Culverts 1			VAILN	CNS-C	)	Assistant Name		Clem Guenette	9					
	Year	707.02	0121.070				Assistant Class		BR CLS B					
					Inspection Date		13-Mar-2013							
		SE SE	2 26 TMD 94 DCE 25 M/5M					ntry By		Lisa Fairhurst				
CREEK, 8.2  Located On 737:02 C1 2  Water Body Cl./Year  Navigabil. Cl./Year  Legal Land Location SE SEC 26  Longitude, Latitude -117:49:22,  Road Authority Alberta Trai  Contract Main. Area CMA04  Clear Roadway/Skew 8.9 /  AADT/Year 320 / 2012  Road Classification RCU-208-1  Detour Length (km) 10  Bridge Culvert Information  Number of Culverts 1  Pipe # Barrel Spain  1 MAIN -  Special Features  Special Features Comment  Utility Attachments  Telephone North & South r/w  Power  Others  Remarks		9:22, 56:18:20				Data Entry Date			08-Apr-2013					
				ransportation (AIT)			Reviewer Name Eric Carcoux							
	Area		·	,			Review Date 03-Apr-2013  Dept. Reviewer Name							
Clear Roadway/	Skew	8.9 /					•	Reviewei Review Da						
AADT/Year		320 / 20	012 (A)				-	-Up By	ale					
Road Classificat	tion	RCU-2	08-110				l Ollow	-ор Бу						
Detour Length (I	km)	10												
Bridge Culvert	Inform	ation												
Number of Culve	erts		1	1						1				
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	2740		SP		26.2		152X51	3.0	ROUND		
Special Feature	S			'										
Special Feature	s Comr	ment												
					Uti	ilities (L	ocated	at)						
Utility Attachme	nts					·		<u> </u>						
					Gas crosses hwy 200m east.									
Power							Munici	pal						
Others							Proble	m (Y/N)	No					
Remarks														
				A	pproac	ch Road		ankment						
					Last	Now		nation of						
Horizontal Align							Rng Rd 251 70m east.							
Vertical Alignme					9	9								
Roadway Width	(m)		8.900											
Embankment					4	4	Pipe is	too short	to me	et clearance red	quirements.			
Sideslope (:	:1)		4.0											
(Height of Cov	/er(m):	1)												
Guardrail (Y/N)			No											
Approach Road	Approach Road / Embankment General Rating					7								
						Upstre	am End							
<b>Culvert Compo</b>	nent				Last	Now		nation of	Condi	tion				
Direction					_									
End Treatment (Concrete, Steel, Others, None)														
Headwall					Х	Х								
Collar					Х	X								
Wingwalls					X	X								
(Shape: )														
Cutoff Wall					Х	Х								

77734 -1 Bridge Culvert

			Heatra	on End
Culvert Component			Now	am End
Bevel End		Last 7	Now	Explanation of Condition Snow covered
	0	/	IN	Show covered
Heaving (mm) Invert Above/Below Stream Bed	0 BELOW			
Above/Below (mm)	600		T NI	(Cattled O Fire language Mall variated with green and willows 2
Scour Protection		5	N	(Settled 0.5m long bevel. Well vegetated with gras and willows. 2 Oct 2009)
(Type : NONE)				Snow covered
(Avg. Rock Size(mm):)			Ι	
Scour/Erosion		5	N	Snow covered
Beavers (Y/N)	No			
Upstream End General Rating		5	5	GR carried forward
		Brid	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	1):	, Rise (mm): 2740, Type: SP)
Barrel Last Accessible Date	25-Mar-2013			1555mm ice to crown
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)		1		
Roof		7	6	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		7	6	
Measured Span (mm)	2610			
Measured At Ring No.	3			Deflection inward
Deflection (mm)	130			
Percent Deflection				
Floor		N	N	ice covered
Bulge (mm)	0	1	11	illo covered
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	7	
Separation (mm)	0	IN		-
Longitudinal Seams	-	N	7	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		6	6	Minor superficial rut above waterline.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	Yes			600mm

77734 -1 Bridge Culvert

Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	1):	, Rise (mm): 2740, Type: SP)				
Fish Passage Adequacy		5	5					
Baffle		N	N					
(Type:)								
Waterway Adequacy		6	6					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		N	6					
Culvert Component		Last	Now	ream End Explanation of Condition				
Direction		S	INOW	Explanation of condition				
End Treatment (Concrete, Steel, Others, None)	STEEL	0						
Headwall		Х	Х					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape: )								
Cutoff Wall		Х	Х					
Bevel End		7	N	Snow covered				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	600							
Scour Protection		5	N	(Settlement along bevel 8 Oct 2009)				
(Type : RIP RAP)				1`				
(Avg. Rock Size(mm) : 200)								
Scour/Erosion		5	N	Snow covered				
Beavers (Y/N)	No							
Downstream End General Ratio	ng	5	5	GR carried forward				
		S	Structu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		5	5	Makes 90deg bend to West 50m d/s.				
				(Vertical banks 8 Oct 2009)				
Bank Stability		6	6					
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading	DEGRADING			(Dam 50m d/s 8 Oct 2009)				
Beavers (Y/N)	Yes							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		5	5					

77734 -1 Bridge Culvert

Inspector Recommendations			Maintenance	Recommendations					
SHOTCRETE REPAIRS PLACE ADDITIONAL RIP RAP REMOVE DRIPT ACCUMULATION INSTALL CONCRETE STEEL LINING INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER	Inspector Recommendations	Year			nments		Target Year	Est. Cost	Cat #
PLACE ADDITIONAL RIP RAP  REMOVE DRIFT ACCUMULATION  INSTALL CONCRETE/STEEL LINING  INSTALL STRUTS  INSTALL CONCRETE/STEEL LINING  INSTALL CONCRETE COLLAR/CUTOFF  REPAIR SEAMS  OTHER ACTION  OTHER ACTION  OTHER ACTION  OTHER ACTION  OTHER ACTION  Structural Condition Rating (Last/Now)  Special  Comments for Next Inspection  Maintenance Reviewed By  Proposed Long-Term Strategy  On 3-Year Program (Y/N)  Proposed Action  Previous Inspector's Name  Kris Bosters  Previous Inspection Date  13-Jun-2016  Previous Inspection Date  108-Oct-2009  Inspection Cycle (Default) (months)  39	•		<u> </u>	·					
INSTALL CONCRETE/STEEL LINING INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER A	PLACE ADDITIONAL RIP RAP								
INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACTIO	REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION  Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action  Previous Inspector's Name Kris Bosters Previous Assistant's Name Next Inspection Date 13-Jun-2016 Previous Inspection Date 08-Oct-2009 Inspection Cycle (Default) (months) 39	INSTALL CONCRETE/STEEL LINING	i							
REPAIR SEAMS OTHER ACTION OTHER	INSTALL STRUTS								
OTHER ACTION  Structural Condition Rating (Last/Now) (%)  Structural Condition Rating (Last/Now) (%)  Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action  Previous Inspector's Name Kris Bosters Previous Assistant's Name Next Inspection Date 13-Jun-2016 Previous Inspection Date 08-Oct-2009 Inspection Cycle (Default) (months) 39	INSTALL CONCRETE COLLAR/CUTO	OFF							
OTHER ACTION  Structural Condition Rating (Last/Now) (%)  Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action  Previous Inspector's Name Kris Bosters Previous Assistant's Name Next Inspection Date 13-Jun-2016 Previous Inspection Date 08-Oct-2009 Inspection Cycle (Default) (months) 39	REPAIR SEAMS								
OTHER ACTION OTHER ACTION OTHER ACTION  Structural Condition Rating (Last/Now) Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action  Previous Inspector's Name Next Inspection Date  Inspection Date  Maint. Reqd. (Y/N) No  Satistant's Name Next Inspection Date  Inspection Date  Inspection Date  Maint. Reqd. (Y/N) No  Maint. Reqd. (Y/N) No  Maint. Reqd. (Y/N) No  Population No  Maint. Reqd. (Y/N) No  Maint. Reqd. (Y/N) No  Maint. Reqd. (Y/N) No  Maint. Reqd. (Y/N) No  Previous Inspection Date  Inspection Date  Inspection Cycle (Default) (months)  Inspection Cycle (Default) (months)  Inspection Date	OTHER ACTION								
Structural Condition Rating (Last/Now) 55.6/66.7 Sufficiency Rating (Last/Now) 58.4/63.8 Est. Repl. Yr 2029 Maint. Reqd. (Y/N) No (%) Department Comments for Next Inspection  Maintenance Reviewed By Date Estimated Total 0  Proposed Long-Term Strategy  On 3-Year Program (Y/N)  Proposed Action  Previous Inspector's Name Kris Bosters Previous Assistant's Name Next Inspection Date 13-Jun-2016 Previous Inspection Date 08-Oct-2009  Inspection Cycle (Default) (months) 39	OTHER ACTION								
Structural Condition Rating (Last/Now) 55.6/66.7 Sufficiency Rating (Last/Now) (%) 58.4/63.8 Est. Repl. Yr 2029 Maint. Reqd. (Y/N) No Special Comments for Next Inspection  Maintenance Reviewed By Date Estimated Total 0  Proposed Long-Term Strategy  On 3-Year Program (Y/N)  Proposed Action  Previous Inspector's Name Kris Bosters Previous Assistant's Name  Next Inspection Date 13-Jun-2016 Previous Inspection Date 08-Oct-2009 Inspection Dyline (months) 39	OTHER ACTION								
Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action  Previous Inspector's Name Next Inspection Date 13-Jun-2016 Inspection Cycle (Default) (months) 39	OTHER ACTION								
Comments for Next Inspection  Maintenance Reviewed By  Date  Estimated Total 0  Proposed Long-Term Strategy  On 3-Year Program (Y/N)  Proposed Action  Previous Inspector's Name  Next Inspection Date  13-Jun-2016  Previous Inspection Date  13-Jun-2016  Previous Inspection Date  139	Structural Condition Rating (Last/No.(%)	ow) 55.6/66	Sufficiency Rating (La (%)	st/Now) 58.4/63.8	Est. Repl. Yr	2029	Maint. Re	qd. (Y/N)	No
Proposed Long-Term Strategy  On 3-Year Program (Y/N)  Proposed Action  Previous Inspector's Name  Next Inspection Date  Inspection Cycle (Default) (months)  13-Jun-2016  Previous Assistant's Name  Previous Inspection Date  08-Oct-2009  08-Oct-2009	Special Comments for Next Inspection			Department Comments					
On 3-Year Program (Y/N)  Proposed Action  Previous Inspector's Name  Next Inspection Date  13-Jun-2016  Inspection Cycle (Default) (months)  39	Maintenance Reviewed By			Date		E	stimated Tota	1 0	
Previous Inspector's Name  Kris Bosters  Previous Assistant's Name  Next Inspection Date Inspection Cycle (Default) (months)  Next Inspection Cycle (Default) (months)	Proposed Long-Term Strategy								
Previous Inspector's Name Kris Bosters Previous Assistant's Name  Next Inspection Date 13-Jun-2016 Previous Inspection Date 08-Oct-2009  Inspection Cycle (Default) (months) 39	On 3-Year Program (Y/N)								
Next Inspection Date 13-Jun-2016 Previous Inspection Date 08-Oct-2009 Inspection Cycle (Default) (months) 39	Proposed Action								
Inspection Cycle (Default) (months) 39	Previous Inspector's Name	Kris Bosters		Previous Assistant's Name					
Inspection Cycle (Default) (months) 39	Next Inspection Date	13-Jun-2016		Previous Inspection Date	08-Oct-2009				
		39							
	Comment								