				ъ.	at at an a	0	of loon and by	-			
Bridge File Number 73494 -1 Bridge Culvert					riage	Cuive	vert Inspection		CHLM		
	mber	73494 -1 Bridge Culvert					Form Type		CULM		
Year Built		1970					Lot No.		4		
Bridge or Town	Name	NORDE	SHISHNER CREEK, 6.173,			Inspector Na		Owen Salava			
Located Over		WATER	RCRS-ST	CREEK, 6.173, T			Inspector Class Assistant Name		BR CLS A		
Located On		11:04 C	1 22.427								
Water Body Cl.	./Year						Inspection D	Assistant Class			
Navigabil. Cl./Y	⁄ear						Data Entry By		07-Feb-2012 Marcia Chavez		
Legal Land Location SE SEC 10 TWP 39 RGE 17				GE 17 W5M			Data Entry Date 06-Mar-2012				
Longitude, Lati	tude	-116:21	13, 52:20:20				Reviewer Name		John O'Brien		
Road Authority Alberta Tr			Fransportation (AIT)				Review Date		22-Feb-2012		
Contract Main. Area CMA18							Dept. Reviewer Name			es	
Clear Roadway	//Skew	13.3 / -3	35 deg. (LHF)				Dept. Review Date		09-Mar-2012		
AADT/Year		840 / 20	010 (A)				Follow-Up E				
Road Classifica	ation	RAU-21	13.4-120					,			
Detour Length		300									
Bridge Culver		ation									
Number of Culv	verts		2	1							
Pipe #	Barrel		Span	Rise (or Dia	a.)	Type	Len	gth	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN		3475	3841		SPE	103		152X51	4.7	ELLIPSE
2	MAIN		3475	3841	_	SPE	101.	2	152X51	4.7	ELLIPSE
Special Feature				10011					1.00.101		
Special Feature		ment									
•											
					Utili	ities (L	ocated at)				
Utility Attachme											
Telephone	South	r/w.					Gas				
Power							Municipal				
Others							Problem (Y/	N) No			
Remarks				Ann		h Door	d / Embankm	ont.			
						Now	Explanation		ition		
Horizontal Aligi	nment				6	6				nce. Superelev	
					_					ioo. Capoi oioi	ated In sad
		Vertical Alignment			6	6	Duilt Over a	ou. 10. E	iileu sigiil uislai		ated. In sag.
Roadway Width (m)		13.300		6	6	Duiit over a		illed Signi dista		ated. In sag.	
			13.300		6	6	Built over a	001101 EIII	illed signi distal		ated. In sag.
Embankment					7	7	Dunt over a		ineu signi uista		ated. In sag.
Sideslope (3.0				Dunt over a		ineu signi uista		ated. In sag.
Sideslope (ver(m)	7.5)	3.0				Dulit over a		illed Signi dista		ated. In sag.
Sideslope (ver(m)	7.5)					Built over a		ineu signi uista		ated. In sag.
Sideslope (over(m) :		3.0 Yes	ting			Built over a		inted Signit distal		ated. In sag.
Sideslope (over(m) :		3.0 Yes	ting	6	6			inted Signit distal		ated. In sag.
Sideslope (over(m) :		3.0 Yes		6	7 6 Jpstre	am End				ated. In sag.
Sideslope (over(m) :	oankme	3.0 Yes nt General Ra		6	7 6 Jpstre					ated. In sag.
Sideslope (over(m) :	oankme	3.0 Yes nt General Ra	Lá	7 6 ast	7 6 Jpstre	am End Explanation	n of Cond			ated. In sag.
Sideslope (over(m)	oankme e: Prima	3.0 Yes nt General Ra	La	7 6 ast	7 6 Jpstre	am End	n of Cond			ated. In sag.
Sideslope (over(m)	oankme e: Prima	3.0 Yes nt General Ra	La N	7 6 ast	7 6 Jpstre	am End Explanation	n of Cond			ated. In sag.
Sideslope (over(m)	oankme e: Prima	3.0 Yes nt General Ra	La N	7 6 6 sast	7 6 Jpstrea	am End Explanation	n of Cond			ated. In sag.
Sideslope (over(m)	oankme e: Prima	3.0 Yes nt General Ra	La N	6 Gast	7 6 Jpstree Now	am End Explanation East culvert	n of Cond			ated. In sag.

73494 -1 Bridge Culvert

			Unetro	am End
Culvert Component				Explanation of Condition
(Pipe # : 1, Span Type: Primary	∠ ZSpan)	Last	INOW	Explanation of Condition
Cutoff Wall	,	N	N	(Extended concrete lip at floor level. 04May2010) - Snow covered.
				(2.10.100 co.100 p.g. 1.100 co.100 co
Bevel End	ı	7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	1000		1	
Scour Protection		7	N	(Area rubble. 04May2010) - Snow covered.
(Type : RIP RAP, CONCRETE)			
(Avg. Rock Size(mm) : 500)				
Scour/Erosion		7	N	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dge Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S			·
Barrel Last Accessible Date	07-Feb-2012			
On a sight Fractions a				
Special Features			1	
Special Feature				
(Type:)				
Special Feature				
(Type:)		7	7	
	3797	/		
Measured Rise (mm) Measured At Ring No.	6			
Sag (mm)	44			
Percent Sag	1			
Sidewall	'	7	7	
Measured Span (mm)	3540	- '		
Measured At Ring No.	6			
Deflection (mm)	65			
Percent Deflection	1			
Floor		6	6	
Bulge (mm)	0			
Measured At Ring No.				1
Abrasion (Y/N)	Yes			
Circumferential Seams		7	7	
Separation (mm)	0			
Longitudinal Seams		7	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)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		6	6	Minor superficial in floor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 3475	, Rise (mm): 3841, Type: SPE)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle		Х	Х	
(Type:)			_	
Waterway Adequacy		8	8	Overflow pipe. Dry at low water.
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
				eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)	1		
Direction	I -	S		East barrel.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		Х	X	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		7	N	(Area rubble. 04May2010) - Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		7	N	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction		N		West barrel.
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		Х	Х	
Collar		7	N	Snow covered.
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		N	N	Buried. Extended lip at floor level.

73494 -1 Bridge Culvert

			Upstre	eam End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		7	N	(Area rubble. 04May2010).
(Type: RIP RAP, CONCRETE)			
(Avg. Rock Size(mm) : 500)				
Scour/Erosion		7	N	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dae Cu	llvert Barrel
Culvert Component				Explanation of Condition
·	cation Code: MAIN. S			475, Rise (mm): 3841, Type: SPE)
Barrel Last Accessible Date	07-Feb-2012			
Special Features				
Special Features Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	Unable to measure due to ice.
Measured Rise (mm)	3849	0	0	Offable to fileasure due to ice.
	6			
Measured At Ring No. Sag (mm)	8			
Percent Sag	0			8 sag.
Sidewall	U	6		
Measured Span (mm)	2507	0	6	
Measured Span (mm) Measured At Ring No.	3507			
	32			
Deflection (mm) Percent Deflection	1			0.9%
		N.		1
Floor		N	N	Ice covered.
Bulge (mm) Measured At Ring No.	0			
	Yes			
Abrasion (Y/N)	res			
Circumferential Seams		6	6	
Separation (mm)	0	_		
Longitudinal Seams		6	6	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		6	6	Minor superficial in floor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm): 34	475, Rise (mm): 3841, Type: SPE)
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle		N	N	Unable to verify due to ice.
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	6	
			own of r	room End
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Snan)	Last	INOW	Explanation of Condition
Direction	iary opani	s		West barrel.
End Treatment (Concrete, Steel, Others, None)	STEEL	3		West ballel.
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	300		1	
Scour Protection		7	N	(Area rubble. 04May2010) - Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		7	N	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
		S	tructu	re Usage
		Last		Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	
Bank Stability		7	7	Minor vertical cut bank D/S well away from pipes.
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	AGGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

73494 -1 Bridge Culvert

		Maintenan	ce Recommendations						
Inspector Recommendations	Year	Inspector Comments	Department Com	Department Comments					
SHOTCRETE REPAIRS			·						
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	low) 66.7/66	Sufficiency Rating (I (%)	_ast/Now) 69.2/69.2	Est. Repl. Yr 2027	Maint. Re	qd. (Y/N)	No		
Special Comments for Next Inspection			Department Comments						
Maintenance Reviewed By			Date		Estimated Tota	I 0			
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Owen Salava		Previous Assistant's Name						
	07-Nov-2013		Previous Inspection Date	04-May-2010					
Next Inspection Date	07-NOV-2013		i revieus inspection bute	0 :					
Next Inspection Date Inspection Cycle (Default) (months)	21		1 Tovious inspection Bute						