					dge Culve								
Bridge File Nur			Bridge Culve	rt		Form Type		CUL1					
Year Built	-	1997				Lot No.		4					
Bridge or Town		ОКОТО				Inspector Name		Jason Rusu					
Located Over			NIMAL, OVEF	R SP	Inspector Class		BR CLS A						
Located On		552:02 C	11.955		Assistant Na		nt Name						
Water Body Cl.	./Year					Assistar	nt Class						
Navigabil. Cl./Y	/ear					Inspecti	on Date	02-Mar-2013					
Legal Land Loc	cation	NE SEC	16 TWP 21 R	GE 28 W4M		Data Entry By		Lauren Korte					
Longitude, Latit	tude	-113:49:	29, 50:47:17			Data Entry Date		22-Mar-2013	22-Mar-2013				
Road Authority	,	Alberta 1	ransportation	(AIT)		Reviewer Name		Garry Roberts					
Contract Main.	Area	CMA27				Review Date		07-Mar-2013					
Clear Roadway	//Skew	8.5 /				Dept. R	eviewer Name	Tim Davies					
AADT/Year		3,300 / 2	011 (A)			Dept. R	eview Date	25-Mar-2013					
Road Classifica		RCU-209				Follow-l							
Detour Length	(km)	2											
Bridge Culvert													
Number of Culv		1											
Pipe #	Barrel		Span	Rise (or Dia.	Туре		Length	Corr. Profile	Pl./Slab Thickness	Shape			
1	MAIN	-		1899	MP		20.1	68X13	2.0	ROUND			
Special Feature													
Special Feature	es Comn	nent		-									
			, ,		Posting I	nformatio	on						
Required Vert.													
Posted Vertical													
Posted: Lane			ridge (m)	In Advance	e (Y/N)	La	ane SB (On Bridge (m)	In Advan	ce (Y/N)			
Remarks	Not red	quired.											
Litility Attachmy	onto												
Utility Attachme					Jtilities (L	_ocated a	at)						
Telephone		2///			Jtilities (L	I		Fact					
Dawer	West F				Jtilities (l	Gas	30 m	East.					
Power					Jtilities (l	Gas Municip	30 m	East.					
Others	West F				Jtilities (l	Gas	30 m	East.					
	West F					Gas Municip Problem	30 m al n (Y/N) No	East.					
Others	West F			Appro	ach Roa	Gas Municip Problem	30 m al n (Y/N) No						
Others Remarks	West F			Appro Las	ach Road	Gas Municip Problem d / Emba Explana	al 30 m (Y/N) No nkment ation of Cond	ition					
Others Remarks Horizontal Aligr	West F			Appro Las	ach Road	Gas Municip Problem d / Emba Explana On curv	30 m al n (Y/N) No nkment ation of Cond re-poor sight d						
Others Remarks Horizontal Align Vertical Alignm	West F 90 m S			Appro Las	ach Road	Gas Municip Problem d / Emba Explana On curv	al 30 m (Y/N) No nkment ation of Cond	ition					
Others Remarks Horizontal Aligr	West F 90 m S		8.500	Appro Las	ach Road	Gas Municip Problem d / Emba Explana On curv	30 m al n (Y/N) No nkment ation of Cond re-poor sight d	ition					
Others Remarks Horizontal Align Vertical Alignm Roadway Width	West F 90 m S		8.500	Appro Las 6	ach Road	Gas Municip Problem d / Emba Explana On curv	30 m al n (Y/N) No nkment ation of Cond re-poor sight d	ition					
Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment	West F 90 m S			Appro Las	ach Road	Gas Municip Problem d / Emba Explana On curv	30 m al n (Y/N) No nkment ation of Cond re-poor sight d	ition					
Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (West F 90 m S	South.	8.500	Appro Las 6	ach Road	Gas Municip Problem d / Emba Explana On curv	30 m al n (Y/N) No nkment ation of Cond re-poor sight d	ition					
Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (West F 90 m S	South.	4.0	Appro Las 6	ach Road	Gas Municip Problem d / Emba Explana On curv	30 m al n (Y/N) No nkment ation of Cond re-poor sight d	ition					
Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (West F 90 m S nment nent h (m) _:1) over(m):	South.	4.0 No	ApproLas	ach Road t Now 6 6	Gas Municip Problem d / Emba Explana On curv	30 m al n (Y/N) No nkment ation of Cond re-poor sight d	ition					
Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (West F 90 m S nment nent h (m) _:1) over(m):	South.	4.0 No	ApproLas	ach Road t Now 6 6 7	Gas Municip Problem d / Emba Explana On curv Hill to N	30 m al n (Y/N) No nkment ation of Cond re-poor sight d	ition					
Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (west F 90 m S nment tent h (m) -:1) over(m):	South.	4.0 No	Approduced Lass 66 66 66 66 66 66 66 66 66 66 66 66 6	ach Road t Now 6 6 7	Gas Municip Problem d / Emba Explana On curv Hill to N	30 m al n (Y/N) No inkment ation of Cond re-poor sight d lorth & South.	ition istance to South					
Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (west F 90 m S nment tent h (m) -:1) over(m):	South.	4.0 No	Appro-Las 6 6 7	ach Road t Now 6 6 7	Gas Municip Problem d / Emba Explana On curv Hill to N	30 m al n (Y/N) No nkment ation of Cond re-poor sight d	ition istance to South					
Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (west F 90 m S nment nent h (m) :1) over(m):	1)	4.0 No t General Rat	Approduced Lass 66 66 66 66 66 66 66 66 66 66 66 66 6	ach Road t Now 6 6 7	Gas Municip Problem d / Emba Explana On curv Hill to N	30 m al n (Y/N) No inkment ation of Cond re-poor sight d lorth & South.	ition istance to South					
Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (west F 90 m S nment nent h (m) :1) over(m):	1)	4.0 No t General Rat	Appro Las 6 6 7	ach Road t Now 6 6 7 Upstre	Gas Municip Problem d / Emba Explana On curv Hill to N	30 m al n (Y/N) No inkment ation of Cond re-poor sight d lorth & South.	ition istance to South					
Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (west F 90 m S nment nent h (m) :1) over(m):	1)	4.0 No t General Rat	Appro-Las 6 6 7	ach Road t Now 6 6 7 Upstre	Gas Municip Problem d / Emba Explana On curv Hill to N	30 m al n (Y/N) No inkment ation of Cond re-poor sight d lorth & South.	ition istance to South					

81999 -1 Bridge Culvert

Outrost On				am End
Culvert Component		Last	Now	Explanation of Condition
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		X	X	
Bevel End	1	7	6	Gravel in invert from road surfacing.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		7	7	
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	6	
		Brid	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 1899, Type: MP)
Barrel Last Accessible Date	02-Mar-2013		· /-	
Barror East / tooodolblo Bato	02 War 2010			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)	1872			
Measured At Ring No.	2			
Sag (mm)	27			
Percent Sag	1			
Sidewall		4	4	Inward.
Measured Span (mm)	1720			West sidewall flat in this area.
Measured At Ring No.	2			
Deflection (mm)	179			
Percent Deflection	9			
Floor		6	5	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	
Separation (mm)	80			
Longitudinal Seams		8	7	Rivetted Seams.
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		5	4	
Corrosion By Soil (Y/N)	No			Correction @ Househ @ flags
Corrosion By Water (Y/N)	Yes			Corrosion @ Haunch @ floor.

		Brid	dge Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Spa			1):	, Rise (mm): 1899, Type: MP)
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N) No				
Fish Passage Adequacy			Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		X	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	4	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		W		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		7	6	
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			Dirt and gravel in invert from road surfacing.
Above/Below (mm)	50			
Scour Protection		7	7	
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	6	
		5	Structu	re Usage
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		5	X	
Roadway Surface		5	5	
(Type:)				
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Туре	NONE			
Lighting		Х	X	
Barrel Leakage (Y/N)	No			

Structure Usage								
		Last	Now	Explanation of Condition				
Drainage		5	5					
Structure In Use (Y/N)	No							
Grade Separation General Rating			5					

			Maintenance Re	ecommen	dations					
Inspector Recommendations	Yea	ar	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
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/Now) (%)		4/44.4	Sufficiency Rating (Last/	Now)	64.7/62.7	Est. Repl. Yr	2020 Maint. Re		qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Rex Davidson Previous			Previous	Assistant's Name						
Next Inspection Date	02-Jun-201	16		Previous	Inspection Date	19-Nov-2009				
Inspection Cycle (Default) (months)	39									
Comment										