						Drida	o Cuby	art Inan	action					
				Bridg	e Cuiv		t Inspection		CULE					
Bridge File Number 73882 -1 Bridge Culvert Year Built 1952							Form Type Lot No.		2					
Bridge or Town Name SUFFIELD							Inspector Name		Tom Carey					
Located Over TRAIL-ANIMAL, OVER SP							Inspector Class		BR CLS A					
Located On			1 33.520;1:					Assistant Name		DR CL3 A				
Water Body C	l /Year	1.2010	1 00.020,1.	20 61	00.401			Assistant Class						
Navigabil. Cl./								Inspection Date		10-Feb-2012				
Legal Land Lo		SW SE	C. 14 TWP	14 R	GF 8 W4	LM		Data Entry By		Anne Roberts				
Legal Land Location SW SEC 14 TWP 14 RGE 8 W4N Longitude, Latitude -110:59:51, 50:10:13				rivi		Data Entry Date		24-Mar-2012						
								Reviewer Name		Garry Roberts				
Road Authority Alberta Transportation (AIT) Contract Main. Area CMA23						Review Date		26-Feb-2012						
Clear Roadwa								-		r Name	Tim Davies			
AADT/Year	.y/ C .t.C.11		2011 (A)					Dept. Review Date		29-Mar-2012				
Road Classific	ation		12.4-120					Follow			20 11161 2012			
Detour Length		1						- 0	OP -)					
Bridge Culver		nation												
Number of Cu			1											
Pipe #	Barrel		Span		Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	U/S		2575		2330		RPE	45.7				ELLIPSI	E	
1	MAIN		1980		1980		BP		16.9				RECTA	NGLE
Special Featur	res													
Special Featur	res Com	ment												
									_					
						Ро	sting l	nformat	ion					<u> </u>
Required Vert														
Posted Vertica				No	1		0.700			_			0.70.0	
Posted: Lane			Bridge (m)		In Adv	ance ((Y/N)	Lane SB		В (On Bridge (m) In Advance (Y/N)			
Remarks	Not re	equired												
Utility Attachm	ents					Uti	ilities (I	_ocated	at)					
Telephone		I R/W (fi	bre optic)					Gas						
Power	North		oro opiio)					Municipal						
Others	rtorti							Problem (Y/N) No						
Remarks								1 100.0	(, , , ,	1.10				
					A	pproac	ch Roa	d / Emb	ankmer	nt				
						Last	Now Explanation of Condition							
Horizontal Alig	nment					9	9	2-dam	2-damaged sections of guardrail @ NE					
Vertical Alignn	nent					7	7	turndown - still functional						
Roadway Wid	th (m)		25.000											
Embankment						8	8							
Sideslope (:1) 4.0														
	(Height of Cover(m) : 0.9)													
Guardrail (Y/N) Yes					One sp	olit post	at Sout	h						
Approach Road / Embankment General Rating			7	7										
					Hactro	am Eng								
Culvert Component			Last	Now		m End Explanation of Condition								
Direction			Lust	.10**		outh end.								
End Treatment (Concrete, Steel, CONCRETE					Benchmark atop SW c		corner headwall.							
Others, None)	(2 2	, 5.5	, , , , , , , , , , , , , , , , , , , ,					Ottawa	geode	tic #68 <i>P</i>	\171			
Headwall			7	7										

73882 -1 Bridge Culvert

	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Collar		X	X							
Wingwalls		Х	Х							
(Shape:)			1							
Cutoff Wall		X	X							
Bevel End		7	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	600									
Scour Protection		7	7							
(Type : NATURAL)										
(Avg. Rock Size(mm):)										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Upstream End General Rating		7	7							
		Duit	dae Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: II/S, Snan			·						
Barrel Last Accessible Date	10-Feb-2012	\ <u>.</u>	2010, 1	SPCSP						
Darrer East / toocssible Date	10 1 00 2012									
Special Features										
Special Feature										
(Type:)		1	1							
Special Feature										
(Type:)		1								
Roof	I	7	7	est. Longitudinal seams at roof C/L						
Measured Rise (mm)	2305			- Longitudinal Seams at 1001 O/E						
Measured At Ring No.	1									
Sag (mm)	25									
Percent Sag	1		1							
Sidewall		7	7							
Measured Span (mm)	2600									
Measured At Ring No.	8									
Deflection (mm)	25									
Percent Deflection	1		1							
Floor	I	N	N	Covered with dirt.						
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)			1							
Circumferential Seams	1	7	7							
Separation (mm)	0									
Longitudinal Seams	T	7	7							
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)	Yes									
Longitudinal Stagger (Y/N)	No									

73882 -1 Bridge Culvert

		Bric	lge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	2575, F	Rise (mm): 2330, Type: RPE)
Coating		7	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		7	Х	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratio		7	7	
	-9			
				Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca		n (mm): 1980	, Rise (mm): 1980, Type: BP)
Barrel Last Accessible Date	10-Feb-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		7	7	Vertical cracks
Measured Span (mm)	1980			
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection	0			
Floor	10	N	N	Covered with dirt.
Bulge (mm)		- 1		Governa with anti-
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		Х	Х	
Separation (mm)		^		
		Х	V	
Longitudinal Seams		^	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)				

		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 1980	, Rise (mm): 1980, Type: BP)
Coating		X	X	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
		D	ownstr	eam End
Culvert Component			Now	Explanation of Condition
Direction				North end. SPCSP
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		7	7	
Heaving (mm)	0	,		
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		7	7	Asphalt at bevel
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
			Structu	re Usage
			Now	Explanation of Condition
Grade Separation		Luot	11011	Expandion of condition
Road Alignment		X	Х	
Roadway Surface		7	7	
(Type : SOIL)			1	
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Type				
1,700				4

	Structure Usage								
		Last	Now	Explanation of Condition					
Lighting		X	X						
Barrel Leakage (Y/N) No									
Drainage		7	7						
Structure In Use (Y/N) Yes									
Grade Separation General Rating			7						

73882 -1 Bridge Culvert

Inspector Recommendations Year Inspector Comments Department Comments Target Year Est. Cost Cat			Mainter	nance Recommendations						
PLACE ADDITIONAL RIP RAP REMOVE DRIFT ACCUMULATION INSTALL CONCRETE/STEEL LINING INSTALL STRUTS INSTALL STRUTS INSTALL STRUTS INSTALL CONCRETE/STEEL LINING OTHER ACTION OTHER A	Inspector Recommendations	Year			Commen	Target Year	Est. Cost	Cat #		
REMOVE DRIFT ACCUMULATION	SHOTCRETE REPAIRS			·						
INSTALL CONCRETE/STEEL LINING INSTALL STRUTS INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER	PLACE ADDITIONAL RIP RAP									
INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION 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 Garry Roberts Next Inspection Date On 10-Nov-2013 Previous Inspection Date On 10-Nov-2013 Previous Inspection Date On 10-Nov-2013 On	REMOVE DRIFT ACCUMULATION									
NSTALL CONCRETE COLLAR/CUTOFF	INSTALL CONCRETE/STEEL LINING									
REPAIR SEAMS	INSTALL STRUTS									
OTHER ACTION 2012 Replace guardrail post at South GREAT SOUTH S	INSTALL CONCRETE COLLAR/CUTO	FF								
OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection On 3-Year Program (Y/N) Proposed Long-Term Strategy Previous Inspector's Name Garry Roberts Previous Assistant's Name Next Inspection Date 10-Nov-2013 Previous Inspection Date 10-Nov-2013 Previous Inspection Date 10-Nov-2013 Previous Inspection Date 10-Nov-2013 Previous Inspection Date 15-Jul-2010	REPAIR SEAMS									
OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) T7.8/77.8 Sufficiency Rating (Last/Now) (%) Department Comments Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspection Date Garry Roberts Previous Inspection Date 10-Nov-2013 Previous Inspection Date 10-Nov-2013 Previous Inspection Date 10-Nov-2013 Previous Inspection Date 15-Jul-2010	OTHER ACTION	2012	Replace guardrail post at S	outh						
Comments for Next Inspection	OTHER ACTION									
Structural Condition Rating (Last/Now) 77.8/77.8 Sufficiency Rating (Last/Now) 76.2/83.0 Est. Repl. Yr 2020 Maint. Reqd. (Y/N) Yes 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 Garry Roberts Previous Assistant's Name Next Inspection Date 10-Nov-2013 Previous Inspection Date 15-Jul-2010 Inspection Cycle (Default) (months) 21	OTHER ACTION									
Comments for Next Inspection Comments Department Comments	OTHER ACTION									
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 Cycle (Default) (months) Date Estimated Total O Previous Assistant's Name Inspection Date Inspection Cycle (Default) (months) Date Estimated Total Inspection Date Inspection Date Inspection Date Inspection Cycle (Default) (months) Date Inspection Date Insp	Structural Condition Rating (Last/No (%)	ow) 77.8/77	7.8 Sufficiency Ratin	g (Last/Now) 76.2/83.0	Es	t. Repl. Yr	2020	Maint. Re	qd. (Y/N)	Yes
Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date Inspection Cycle (Default) (months) 21	Comments for			Department Comments						
On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Garry Roberts Previous Assistant's Name Next Inspection Date 10-Nov-2013 Previous Inspection Date 15-Jul-2010 Inspection Cycle (Default) (months) 21	Maintenance Reviewed By			Date				Estimated Tota	I 0	
Previous Inspector's Name Garry Roberts Previous Assistant's Name Next Inspection Date 10-Nov-2013 Previous Inspection Date 15-Jul-2010 Inspection Cycle (Default) (months)	Proposed Long-Term Strategy									
Previous Inspector's Name Garry Roberts Previous Assistant's Name Next Inspection Date 10-Nov-2013 Previous Inspection Date 15-Jul-2010 Inspection Cycle (Default) (months) 21	On 3-Year Program (Y/N)									
Next Inspection Date 10-Nov-2013 Previous Inspection Date 15-Jul-2010 Inspection Cycle (Default) (months) 21	Proposed Action									
Inspection Cycle (Default) (months) 21	Previous Inspector's Name	Garry Roberts		Previous Assistant's Nam	ne					
Inspection Cycle (Default) (months) 21	Next Inspection Date	10-Nov-2013		Previous Inspection Date	evious Inspection Date 15-Jul-2010					
		21								
	, , , ,									