					Brida	e Culve	ert Insn	ection						
Bridge File Number 00723 -1 Bridge Culvert					Form Type			CUL1						
Year Built 1981							Lot No.		4					
Bridge or Town Name CARSTAI			ΓAIRS				Inspector Name			Owen Salava				
Located Over			SEBUD RIVER, 3.33, WATERCRS-ST			Inspector Class			BR CLS A					
Located On			C1 9.554				Assistant Name							
Water Body Cl.	/Year						Assistant Class							
Navigabil. Cl./Year						Inspection Date		26-Oct-2011						
Legal Land Loc		SW SE	C 13 TWP 30 RGE 29 W4M				Data Entry By			Marcia Chavez				
		:27, 51:33:42				Data Entry Date		22-Nov-2011						
		a Transportation (AIT)				Reviewer Name			John O'Brien					
Contract Main. Area CMA29						Review Date		10-Nov-2011						
		deg. (RHF)				Dept. Reviewer Name								
AADT/Year		670 / 20					Dept. Review Date		22-Nov-2011					
Road Classifica	ation	RCU-2					Follow-Up By							
Detour Length	(km)	4					. SS. SP B)							
Bridge Culvert		nation								,				
Number of Culv	erts/		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	6100		SP		77.4		152X51	5.0,6.0	ROUND		
Special Feature	es													
Special Feature	es Com	ment												
Living Ave I					Uti	ilities (L	_ocated	at)						
Utility Attachme									I					
Telephone SOUTH SIDE					Gas									
Power OVERHEAD N SIDE-3W						Municipal National Na								
Others							Proble	m (Y/N)	No					
Remarks				Λ.	0 H 0 0	ah Daa	d / Emplo	ankment						
				А		Now				tion				
Horizontal Alignment			9	9	Explanation of Condition Shallow sag curve.									
Vertical Alignm					8	8								
Roadway Width (m)		9.000				10m over structure btwn guardrail.								
Embankment					8	8								
Sideslope (	_:1)		3.0											
(Height of Co	ver(m)	: 8)												
Guardrail (Y/N)		,	Yes											
Approach Roa	d / Eml	bankme	nt General Ra	ting	8	8								
						Upstre	am End							
Culvert Component				Last	Now	Explanation of Condition								
Direction			N											
End Treatment Others, None)	(Concr	ete, Stee	el, CONCRETE	Ξ										
Headwall					Х	X								
Collar			6	6	Wide cracks throughout. Extra width of concrete poured for collar. Cracked & settled 200mm on both sides.					ured for collar.				
Wingwalls			X	X										
(Shape: )														
Cutoff Wall			N	N										

00723 -1 Bridge Culvert

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		7	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	1000									
Scour Protection		N	6	Rock & poured concrete.						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 150)										
Scour/Erosion		N	6							
Decuera (V/NI)	No									
Beavers (Y/N)	INO									
<b>Upstream End General Rating</b>		6	6							
		Det	dero Cu	livert Barral						
Culvert Component		Last	Now	Ivert Barrel Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN Sna			, Rise (mm): 6100, Type: SP)						
Barrel Last Accessible Date	06-Dec-2010		.,.	(1.8m of ice. Too wide to measure. 06Dec2010).						
Darrel Last Accessible Date	00-Dec-2010			Shape is good; viewed from ends due to 2m of water.						
Special Features			_							
Special Feature										
(Type:)			_							
Special Feature										
(Type:)										
Roof		7	N	Est roof & sidewall distortion						
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)	0									
Percent Sag										
Sidewall		7	N							
Measured Span (mm)										
Measured At Ring No.										
Deflection (mm)	0									
Percent Deflection										
Floor		N	N							
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)			_							
Circumferential Seams		7	N	(Lower seams not seen due to ice. 06Dec2010).						
Separation (mm)	0		_							
Longitudinal Seams		N	N							
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)	Yes									
Coating		7	7							
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	Yes									

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		Bric	lge Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 6100, Type: SP)				
Fish Passage Adequacy		9	9					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		9	9					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		7	N	GR was 7 from 06Dec2010.				
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		S						
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall		8	8					
Collar		6	6	Medium Cracks.				
Wingwalls		Х	Х					
(Shape: )								
Cutoff Wall		N	N					
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	0							
Scour Protection		N	6	Rocks in streambed only.				
(Type : RIP RAP)				Slopes natural & pitrun gravel.				
(Avg. Rock Size(mm) : <b>250</b> )								
Scour/Erosion		N	6					
Beavers (Y/N)	No							
Downstream End General Ratin	ng	6	6					
		s	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		6	6	45 degree bend 25m D/S & u/s.				
Bank Stability		8	8					
HWM (m below Top of Culvert)	4.0							
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading								
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		6	6					

		Maintenance F	Recommend	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	ents		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/N (%)	ow) 77.8/5	5.6 Sufficiency Rating (Las (%)	iciency Rating (Last/Now)		Est. Repl. Yr	2032 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	Owen Salava		Assistant's Name						
Next Inspection Date	26-Jan-2015		Inspection Date 06-Dec-2010						
Inspection Cycle (Default) (months)	39								
Comment									