Bridge Culvert Inspection														
Bridge File Number		01845 -1 Bridge Culvert					Form T	уре		CUL1				
Year Built 1960			960							1				
Bridge or Town	Name	FALUN					Inspector Name			Owen Salava				
Located Over	ONE CREEK, 5.47.4, WATERCRS-ST				Inspector Class			BR CLS A						
Located On		795:06 C)6 C1 5.516					int Name						
Water Body Cl.	/Year							Int Class						
Navigabil. Cl./Y	'ear						Inspection Date			08-Feb-2013				
Legal Land Loc	ation	SW SEC	EC 36 TWP 46 RGE 27 W4M					ntry By		Marcia Chavez				
Longitude, Latitude -113:48			:48:04, 53:00:34					ntry Date	•	22-Feb-2013				
Road Authority Albert			erta Transportation (AIT)					er Name	•	John O'Brien				
Contract Main. Area CMA			CMA17							13-Feb-2013				
Clear Roadway	Clear Roadway/Skew 7.9		7.9 /						Name	Chris Black				
AADT/Year		920 / 201	11 (A)				Dept. Review Date		28-Mar-2013					
Road Classifica	ation	RCU-208	8-110				Follow-Up By							
Detour Length	(km)	6												
Bridge Culvert Information														
Number of Culverts 1														
Pipe #	Barrel	5	Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	2	2610	2877		SPE		21.9		152X51	2.0,2.8	ELLIPSE		
Special Feature	Special Features													
Special Features Comment														
Utilities (Located at)														
Telephone	Plowe	d in West	d in West ditch											
Power	2 wire		East of c/l				Municipal							
Others	Fibre	ontics Ea			Problem (Y/N) No									
Remarks														
Komano				A	oproa	ch Road	l / Emb	ankment						
			Last	Now	Explanation of Condition									
Horizontal Alignment			•		7 7			Numerous farm entrances to North. Hills to North & South.						
Vertical Alignment					7	7								
Roadway Width	ר (m)		8.000				Some minor settlement of road surface over culvert. Transverse							
							crack over culvert & longitudinal crack NBL.							
Embankment					7	7								
Sideslope (:1)		2.0												
(Height of Co	ver(m) :	: 1.5)					1							
Guardrail (Y/N) No														
Approach Roa	d / Eml	bankmen	t General Rat	ing	7	7								
				_										
						Upstre	am End			•				
Cuivert Component			Last	NOW										
End Treatment	(Concr	oto Stool	STEEL		VV		-							
Others, None)														
Headwall				X	X									
Collar			X	X										
Wingwalls				X	X									
(Shape:)														
Cutoff Wall					X	X								

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			Upstre	eam End						
Culvert Component		Last	Now	Explanation of Condition						
Bevel End	1	5	5	(Minor rust along floor. 30/Jan/2007).						
Heaving (mm)	200									
Invert Above/Below Stream Bed				_						
Above/Below (mm)	0									
Scour Protection		N N		Snow covered.						
(Туре :)										
(Avg. Rock Size(mm) :)										
Scour/Erosion		N	N	Snow covered.						
Beavers (Y/N)	Yes			Small dam at inlet.						
Upstream End General Rating		5	5							
			Ŭ							
	1	Bri	dge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 2610), Rise (mm): 2877, Type: SPE)						
Barrel Last Accessible Date	08-Feb-2013									
Special Features										
Special Feature										
(Type .)				-						
Root	1	6	6	Unable to measure due to ice.						
Measured Rise (mm)				-						
Measured At Ring No.				Estimate						
Sag (mm)	127									
Percent Sag	5									
Sidewall	1	2	2	R4-6 with cracked longit.seam; R6 with 40mm steel remaining						
Measured Span (mm)	2740									
Measured At Ring No.	5			_						
Deflection (mm)	170			6.5%						
Percent Deflection	7									
Floor		N	N	(Corrosion @ bolt holes on floor seam losing metal. 30/Jan/2007) Ice						
Bulge (mm)	0			covered.						
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		5	5	3rd seam from East end has 2 missing bolts.						
Separation (mm)	0									
Longitudinal Seams		2	2	Minor crack growth, 2mm in 3 vrs.						
Total No. of Cracked Rings	3	_		,,,,,,,						
Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel 40 Between Cracks (mm)				1						
Proper Lap (Y/N)	No									
Longitudinal Stagger (Y/N)	Yes			1						
Coating		3	3	Rust through bolt holes on floor from 4 to 8 o'clock						
Corrosion By Soil (Y/N)	Yes	0	5	(Pitting and scaling along floor only. 30Jan2007) - Floor pitting only						
Corrosion By Water (Y/N)	Yes			partially seen.						
	ZERO									
Ponding (Y/N)	No									

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Bridge Inspection & Maintenance System (Web 2005)

		Bric	lge Cu	vert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 2610	, Rise (mm): 2877, Type: SPE)						
Fish Passage Adequacy		6	6							
Baffle		X	Х							
(Туре :)										
Waterway Adequacy		5 5		Due to scour D/S.						
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	Yes			Debris in pipe.						
Barrel General Rating		2	2							
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		E								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar		X	X							
Wingwalls		X	X							
(Shape :)										
Cutoff Wall		X	X							
Bevel End		6	6							
Heaving (mm)	75									
Invert Above/Below Stream Bed ABOVE										
Above/Below (mm)	400									
Scour Protection		N	N	Snow covered.						
(Туре :)										
(Avg. Rock Size(mm) :)			1							
Scour/Erosion		4	4	Scour hole 10m x 7m x 0.5m deep; visible with snow - no action, monitor.						
Beavers (Y/N)	No		1							
Downstream End General Ratio	ng	4	4							
			tructu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		7	7							
Bank Stability		7	7							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N) Yes										
Channel Bottom DEGRADING Degrading/Aggrading				Beaver dam 50m d/s.						
Beavers (Y/N)	Yes									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		7	7							

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Maintenance Recommendations													
Inspector Recommendations			Year	Inspecto	r Comments		Department Comments				Est. Cost	Cat #	
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL CONCRETE/STEEL LINING													
INSTALL STRUTS	S												
INSTALL CONCRETE COLLAR/CUTOFF													
REPAIR SEAMS			2013	Longit. beam 3 seams or strut culvert.									
OTHER ACTION			2013	Seal roadway cracks.									
OTHER ACTION			2013	Remove dam & debris.									
OTHER ACTION			2013	Consider	r concrete floor.								
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/Now) (%)			22.2/22.	2	Sufficiency Rating (Last/Now) (%)		39.8/39.9	Est. Repl. Yr	Repl. Yr 2020		qd. (Y/N)	Yes	
Special Comments for Next Inspection	ition. d Saunders 12Feb2013. may be better than struts due to site debris & beavers, but			Department Comments									
Maintenance Reviewed By							Date		Estimated Total 0				
Proposed Long-Term Strategy culve 2020		culvert 2020. F	ulvert has 2 cracked seams. Min 40mm steel left. Cracks have not moved since 1998. Repair cracks if they move. Culvert should be ok until 020. RS									ntil	
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Owen			Dwen Salava Previo				Assistant's Name						
Next Inspection Date 08-M		08-May	8-May-2016 Previous				Inspection Date 04-Mar-2010						
Inspection Cycle (Default) (months) 39		39											
Comment													