Bridge Culvert Inspection															
Bridge File Number 78894			'8894 -1 Bridge Culvert					уре		CUL1					
Year Built 1981						Lot No.			2						
Bridge or Town	Name	ALDER F	LATS				Inspector Name			Owen Salava					
Located Over		WASHOU	JT CREEK, 6	.146, WA	TERC	RS-ST	Inspector Class			BR CLS A					
Located On		22:28 C1	2.571				Assistant Name								
Water Body Cl./					Assistant Class										
Navigabil. Cl./Year								ion Date		25-Jun-2012					
Legal Land Loc	ation	NW SEC	7 TWP 46 R0	GE 6 W5	M		Data Entry By			Marcia Chavez					
Longitude, Latit	18, 52:57:16					ntry Date)	15-Jul-2012							
Road Authority Alberta Transp			ransportation		Reviewer Name			John O'Brien							
Contract Main. Area CMA17						Review Date			05-Jul-2012						
Clear Roadway/Skew 11.6 /								Reviewer	Name	Andrew Smikles					
AADT/Year 2,380 / 20			011 (A)		Dept. Review Date			19-Jul-2012							
Road Classifica	ition	RAU-211	.8-110				Follow-Up By								
Detour Length ((km)	3													
Bridge Culvert Information															
Number of Culv	rerts	1													
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN	4	095	4515		SPE		47.5		152X51	3.0	ELLIPSE			
Special Feature	S														
Special Features Comment No file tag.															
Litility Attachmo	Utilities (Located at)														
		0													
Power	1 wiro		A/			Munici									
Others	TWIE	0/11, 11 1/1	w.				Proble	m (V/N)	No						
Remarks															
Romano				Α	pproad	ch Road	l / Fmb	ankment							
						Now	Explanation of Condition								
Horizontal Alignment			8	8											
Vertical Alignment						8									
Roadway Width (m)			11.600												
Embankment	Embankment				7 7			Minor gully at SW due to ditch culvert							
Sideslope (:1)		4.0				outfall.								
(Height of Cover(m) : 1)						1									
Guardrail (Y/N)			No												
Approach Roa	d / Emb	pankment	t General Rat	ing	8	8									
						Upstre	am End								
Culvert Component				Last	Now	Explanation of Condition									
Direction			E												
End Treatment (Concrete, Steel, CONCRETE Others, None)					-										
Headwall			5	5	Vertical cracking.										
Collar			N	4	Full collar old style with settlement under shoulder slabs - SE corner.										
Wingwalls			X	X											
(Shape:)						1									
Cutoff Wall						N	Subme	rged							

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			Upstre	nd						
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		6	6	Sides pushed in 300 mm as result of						
Heaving (mm)	225			construction.						
Invert Above/Below Stream Bed	BELOW			_						
Above/Below (mm)	200									
Scour Protection		N	4	Barrel lacks fill & weight with barrel						
(Type : RIP RAP)				exposed.						
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		N	4	Eroding under collar.						
Beavers (Y/N)	No									
Upstream End General Rating	1	4	4							
		Brid		Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 4095, Rise (mm): 4515, Type: SPE)										
Barrel Last Accessible Date	02-Feb-2011		,	Viewed from ends: 0.9m deep water shape looks good						
Special Features										
Special Feature										
(Type :)				_						
Special Feature										
(Туре :)										
Roof		6	6	Unable to measure due to ice.						
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)	0									
Percent Sag										
Sidewall			6	S wall ring 1, bulging inwards, minor.						
Measured Span (mm)	4120									
Measured At Ring No.	6									
Deflection (mm)	25									
Percent Deflection	0									
Floor		N	N	(2 small holes in sidewall near W end						
Bulge (mm)				during construction 75mm - 971015).						
Measured At Ring No				1						
Abrasion (Y/N)	No			1						
Circumferential Seams	-	6	N							
Separation (mm)	0	0	IN							
Longitudinal Seams		6	N							
Total No. of Cracked Rings	0	0	IN							
Total No. of Pinge with Two	v			-						
Cracked Seams				-						
Between Cracks (mm)										
Proper Lap (Y/N)	No									
Longitudinal Stagger (Y/N)	Yes			1N stagger.						
Coating		5	5	Surface rust.						
Corrosion By Soil (Y/N)	No			1						
Corrosion By Water (Y/N)	Yes			1						
Camber POS/ZERO/NEG	NEG									
Samber F OG/ZEINO/INEG										

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 4095	, Rise (mm): 4515, Type: SPE)						
Ponding (Y/N)	No									
Fish Passage Adequacy		7	7							
Baffle		N	N							
(Type :)										
Waterway Adequacy		7	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating	Barrel General Rating			Rating was 6 from 06Feb2011.						
		D	ownstr	eam End						
Culvert Component	Culvert Component		Now	Explanation of Condition						
Direction		W								
End Treatment (Concrete, Steel, Others, None)	CONCRETE									
Headwall	Headwall			Lots of large cracks.						
Collar		N	4	Full collar. Settlement of 400mm under NW shoulder slab. SW shoulder slab broken off at haunch.						
Wingwalls		X	Х							
(Shape :)										
Cutoff Wall	Cutoff Wall			Submerged						
Bevel End		6	6							
Heaving (mm)	50									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	200									
Scour Protection		N	4							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 250)			1							
Scour/Erosion			4	Scour at sides of bevel ends.						
Beavers (Y/N)	No									
Downstream End General Ratio	ng	4	4							
		S	structur	e Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			5	80 deg bend at U/S end but low banks. SW ditch culvert located approx. 10m West of D/S bevel end. Cut banks U/S & D/S						
Bank Stability		5	5	Sloughing of S bank on gentle bend D/S from pipe.						
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N)	Yes			פוע ש סוע ש						
Channel Bottom Degrading/Aggrading										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)		1							
Channel General Rating			5							

Maintenance Recommendations												
Inspector Recommendations		Year	Inspecto	r Comments		Department Cor	nmen	ts		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	DFF											
REPAIR SEAMS												
OTHER ACTION		2012	Place 5m both side	n3 concrete along concrete es and both ends.	collar on							
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		66.7/55.	6	Sufficiency Rating (Last/ (%)	Now)	63.3/58.0		t. Repl. Yr	2034	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection						Department Comments						
Maintenance Reviewed By						Date			E	Estimated Total	0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name		Salava			Previous	s Assistant's Name						
Next Inspection Date	25-Mar-2014				Previous	s Inspection Date 02-Feb-2011						
Inspection Cycle (Default) (months) 2												
Comment												