Bridge Culvert Inspection														
Bridge File Number		06673 -2 Bridge Culvert					Form Type			CULM				
Year Built 20		2012					Lot No.			4				
Bridge or Town Name STANE			ARD			Inspector Name		Paul Carrier						
Located Over 2ND C				FOOT	Inspector Class			BR CLS A						
Located On 840:			., 2.13.14.0.2, V C1 2.546		Assistar	nt Name								
Water Body CL	/Year	HU.UZ	012.040			Assistant Class								
Navigabil CL/Year							Inspection Date			17-May-2012				
Legal Land Location NW SE			C 23 TWP 24 R	4M		Data En	itry By		Lauren Korte					
Longitude, Latitude -112		112:58	:54. 51:03:39				Data En	try Date		23-Jul-2012				
Road Authority A		Alberta Transportation (AIT)						er Name						
Contract Main. Area		CMA30	•	. ,			Dept Reviewer Name		23-Jul-2012					
Clear Roadway	/Skew 1	0.1 / -2	25 deg. (LHF)				Dept. R			30- Jul-2012				
AADT/Year	7	70 / 20	011 (A)				Follow-I		<i>.</i>	50-501-2012				
Road Classifica	ation R	RCU-20	09-110					эр ву						
Detour Length (	(km) 3	3												
Bridge Culvert	Informat	tion												
Number of Culv	/erts		2											
Pipe #	Barrel		Span	Rise (or I	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	3000		MP		51		125X26	4.3	ROUND		
2	MAIN		-	3000		MP		51		125X26	4.3	ROUND		
Special Feature	es													
Special Feature	es Comme	ent												
					1 14	lition /l	opatod	<b>at</b> )						
Litility Attachme	onte				01	inties (L		at <i>)</i>						
Telephone	West R	0\\/				Gas								
Power	Westing	011					Municin	al						
Others							Problem	n (Y/N) N	lo					
Remarks								. ( ,						
		Approach Road / Embankment												
							Explana	ation of Co	ondi	ion				
Horizontal Aligr	nment				9	9	Grade to	o South						
Vertical Alignme	ent				6	6								
Roadway Width	n (m)		10.100											
Embankment					8	8								
Sideslope (	_:1)		5.0											
(Height of Co	ver(m) : 1	.3)												
Guardrail (Y/N)			No											
Approach Roa	ld / Emba	ankmei	nt General Rat	ing	6	6								
						Upstre	am End							
Culvert Compo	onent				Last	Now	Explana	ation of Co	ondit	ion				
(Pipe # : <b>1, Sp</b>	an Type:	Prima	ry Span)											
Direction					W		West end - South pipe							
End Treatment (Concrete, Steel, CONCRETE Others, None)														
Headwall				8	9	Minor h	Minor honeycomb							
Collar					8	8								
Wingwalls				Х	Х									
(Shape: )														

			Upstre	
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)		_	
Cutoff Wall		8	9	
Bevel End		9	8	
Heaving (mm)	0		-	
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection	1	5	7	
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		5	7	
Beavers (Y/N)	No			
Upstream End General Rating		5	7	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	oan (mm	):	, Rise (mm): 3000, Type: MP)
Barrel Last Accessible Date	10-Jan-2012			South barrel
Special Features	1			
Special Feature				
(Type : )				
Special Feature				
(Type:)				
Roof		9	9	
Measured Rise (mm)				Est
Measured At Ring No.				_
Sag (mm)	50			_
Percent Sag	2			
Sidewall	1	9	9	_
Measured Span (mm)	2943			_
Measured At Ring No.	3			_
Deflection (mm)	57			-
Percent Deflection	2			
Floor	I	N	N	600 mm of compacted granular pitrun on floor
Bulge (mm)	0			-
Measured At Ring No.				-
Abrasion (Y/N)	No			
Circumferential Seams		9	8	
Separation (mm)	20			
Longitudinal Seams		Х	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)				
Coating		9	8	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			

Alberta Transportation

Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Location Code: MAIN, Span			):	, Rise (mm): 3000, Type: MP)						
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									
Fish Passage Adequacy		7	8							
Baffle		Х	X							
(Туре:)										
Waterway Adequacy		8	8							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		9	9							
		D	ownstr	eam End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Span Type: Primary	/ Span)									
Direction		E		East end - South pipe						
End Treatment (Concrete, Steel, Others, None)	STEEL		1							
Headwall			X							
Collar			X							
Wingwalls		X	X							
(Shape : )			1							
Cutoff Wall		X	9							
Bevel End	Bevel End		8							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	500		-							
Scour Protection		5	7							
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : 300)		1								
Scour/Erosion		5	7							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	5	7							
			Upstre	am End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	lary Span)									
Direction				West end - North pipe						
End Treatment (Concrete, Steel, CONCRETE Others, None)										
Headwall		8	9	Minor honeycomb						
Collar		8	8	Minor construction chips at North side						
Wingwalls		X	X							
(Shape : )			1							
Cutoff Wall		8	9							

Alberta Transportation

		1	Upstre	eam End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Span Type: Second	ary Span)								
Bevel End		9	8						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm) 500									
Scour Protection		5	7						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		5	7						
Beavers (Y/N) No									
Upstream End General Rating	1	5	7						
		Brid	dao Cu	vort Barrol					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN. S	Span (r	nm):	. Rise (mm): 3000. Type: MP)					
Barrel Last Accessible Date	10-Jan-2012	<u></u>		North barrel					
	10 0411 2012								
Special Features									
Special Feature									
(Type : )			_	-					
Special Feature									
(Туре : )			_						
Roof	1	9	9	Eat					
Measured Rise (mm)									
Measured At Ring No.				-					
Sag (mm)	30			-					
Percent Sag	1		_						
Sidewall	1	9	9						
Measured Span (mm)	2963								
Measured At Ring No.	3			-					
Deflection (mm)	37			_					
Percent Deflection	1								
Floor	1	Ν	Ν	Approx. 600 mm compacted granular pitrun covering floor					
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No		_						
Circumferential Seams		9	8						
Separation (mm)	30		_						
Longitudinal Seams		Х	Х						
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)									
Coating		9	8						
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	No								
Camber POS/ZERO/NEG	ZERO								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

06673 - 2 Bridge Culvert

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 3000, Type: MP)						
Ponding (Y/N)	No									
Fish Passage Adequacy			8							
Baffle		Х	Х							
(Туре:)										
Waterway Adequacy		9	8							
Icing (Y/N)	No									
Silting (Y/N)	No			_						
Drift (Y/N)	No		1							
Barrel General Rating			9							
	1	D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	lary Span)									
Direction		E		East end - North pipe						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar			X							
Wingwalls		X	X	-						
(Shape : )			1							
Cutoff Wall		X	N							
Bevel End		9	8	-						
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW			-						
Above/Below (mm)	500	-	-							
		5	1							
(1ype : RIF RAF) (Avg. Rock Size(mm) : 300)										
Scour/Erosion		5	7							
Beavers (Y/N)	No									
Downstream End General Ratio	ng	5	7							
		S	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		4	7	Sharp "S" bend U/S. Meanders - could require future revision if slide fills U/S channel.						
Bank Stability			7	S/W of U/S pond - slide area is slipping into watercourse.						
HWM (m below Top of Culvert)				No visible HWM						
Drift (Y/N)	No									
Channel Bottom Degrading/Aggrading	Channel Bottom NONE Degrading/Aggrading									
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)			Approx. 15 boulders placed D/S of pond to provide fish habitat.						
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		4	7							

Maintenance Recommendations													
Inspector Recommendations	Y	Year	Inspecto	or Comments		Department Com		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												_	
OTHER ACTION												_	
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/No (%)	ow) 1	100.0/100.0		Sufficiency Rating (Last/Now (%)		84.5/90.7	Est. Rep	st. Repl. Yr 2070		Maint. Reqd. (Y/N)		No	
Special Comments for Next Inspection	at U/S a	ınd D/S∣	ponds. C	urrently etablishing ve	egetation.	Department Comments							
Maintenance Reviewed By						Date			E	Estimated Tota	0		
Proposed Long-Term Strategy									·		·		
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name	Garry Ro	oberts			Previous	Previous Assistant's Name							
Next Inspection Date 17-Au		2015			Previous	Previous Inspection Date 10-Jan-2012							
Inspection Cycle (Default) (months)	39												
Comment													